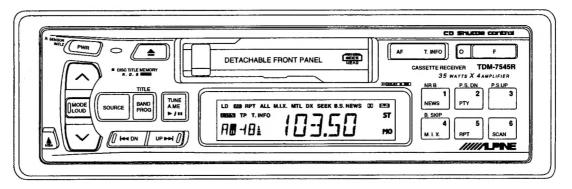


FM/MW/LW/RDS Cassette Receiver

CD Shuttle Controller

● For the cassette deck mechanism parts (GR75S310/410) of this model, refer to the Service Manual • GR-S SERIES • ADDENDUM & REVISED (II) (Part No. 68E24873S01/68E26177S01).



(TDM-7545R)

TDM-7545R/ TDM-7544R

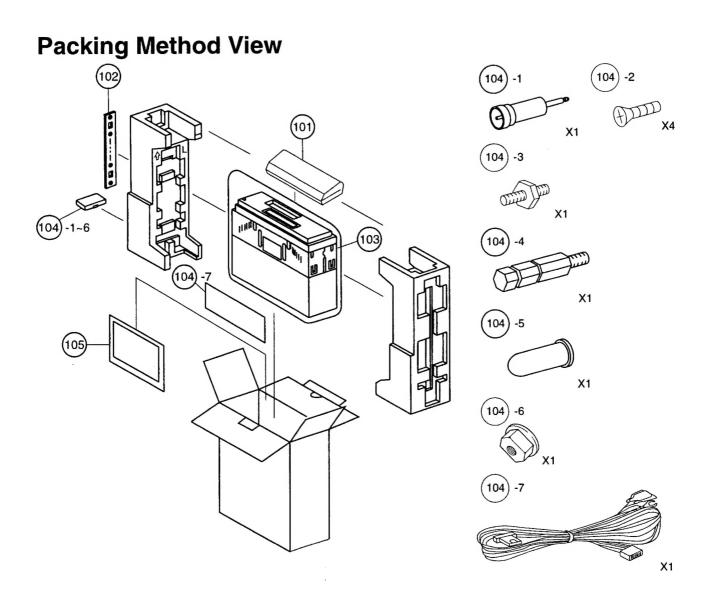
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Packing Assembly Parts List

Sy	mbol	Part No.	Description	Symbol	Part No.	Description
No.				No.		
	101	15D71506W01	Carrying, Case	104-6	02E20771S01	Nut, Hex. (M5)
1	102	07E09438S01	Bracket, Strap Receiver	104-7	01E27452S01	Assy., Power Wire
	103	15E21170S01	Case, Inner			(For Battery Line (Fuse 15A))
0	104	01E27625S01	Assy., Kit Installation	105-1	68P91666W52	Owner's Manual
_	104	01E27737S01	Assy., Kit Installation	105-2	68P91666W53	Owner's Manual (I/G/S)
	104-1	01T15394Y02	Antenna, JASO-ISO			1
	104-2	03E10240S02	Screw, MCH (M5X8)			
	104-3	03E11374S01	Stud, Bolt			1
	104-4	03E27739S01	Bolt, Hex. (M5)			1
	104-5	75E27734S01	Cap, Rubber			
					1	

 ${\tt NOTE:\bigcirc:For\,TDM-7545R\,Model\,Only,}\quad \triangle: For\,TDM-7544R\,Model\,Only,\quad Others:Common.$



Specifications

FM RADIO	
Intermediate Frequency	10.7±0.1MHz
Frequency Range	87.5~108MHz
Usable Sensitivity (Mono, 30dB S/N, at 98.1MHz)	17.2dBf
-3dB Limiting Sensitivity (at 98.1MHz)	19.2dBf
Residual Noise (Ref. 400Hz, at 98.1MHz)	25±10dB
S/N Ratio (Stereo, at 98.1MHz)	55dB
Image Rejection (at 106.1MHz)	40dB
IF Rejection (at 90.1MHz)	60dB
Distortion (Input 60dB μ , at 98.1MHz)	
Frequency Response (Ref. 400Hz, at 98.1MHz)	100Hz : 0±3dB
	10kHz : -12±3dB
Stereo Separation (1kHz, at 98.1MHz)	20dB
PS Sensitivity (at 98.1MHz)	36.2dBf
MW RADIO	
Intermediate Frequency	450kHz
Frequency Range	531~1,602kHz
Usable Sensitivity (20dB S/N, at 999kHz)	35dB
S/N Ratio (at 999kHz)	44dB
Image Rejection (at 603kHz)	40dB
IF Rejection (at 603kHz)	40dB
Distortion (at 999kHz)	1.5%
Frequency Response (Ref. 400Hz, at 999kHz)	100Hz : -3±4dB
	4kHz:-12+6,-12dB
LW RADIO	
Intermediate Frequency	
Frequency Range	
Usable Sensitivity (20dB S/N, at 216kHz)	
S/N Ratio (at 216kHz)	
Image Rejection (at 270kHz)	
IF Rejection (at 162kHz)	
Distortion (at 216kHz)	
Frequency Response (Ref. 400Hz, at 216kHz)	100Hz : -3±4dB
	4kHz : -12+6, -12dB
TARE DI AVER	
TAPE PLAYER	
Wow & Flutter (JIS, WRMS/MTT-111N)	
Tape Speed (MTT-111N)	
S/N Ratio	
District (ACTT 440)	Dolby B NR : 60.5dB (〇)
Distortion (MTT-118)	
Frequency Response (-3dB)	
Separation (MTT-141N)	
Crosstalk (MTT-121N)	45dB

GENERAL DC14.4V Power Supply DC14.4V Power Output (T.H.D. 10%) /Impedance 16W/ch/4ohm Semiconductors 22IC's, 42Transistors, 19Diodes, 7Zener Diodes (○) 17IC's, 36Transistors, 18Diodes, 7Zener Diodes (△) Dimensions (W×H×D) Chassis: 180×50×155mm Nose: 188×58×19.4mm Weight 1.4kg

NOTE: Due to Continuing product improvement, specifications and designs are subject to change without notice.

O: For TDM-7545R Model Only,

A: For TDM-7544R Model Only,

Others: Common.

Adjustment Procedures

1. FM SECTION

(1) Dummy Antenna Circuit

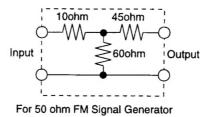


Figure 1

(2) Connections

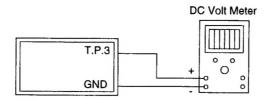
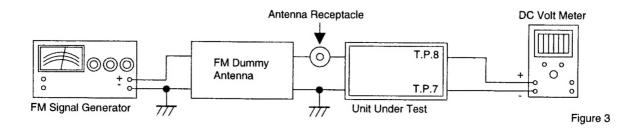
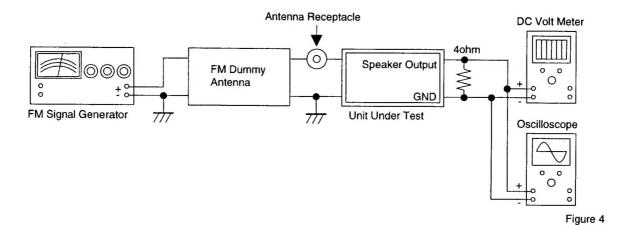
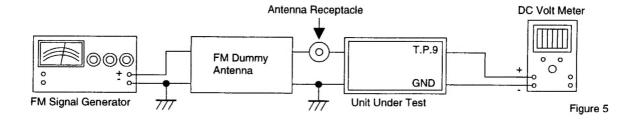
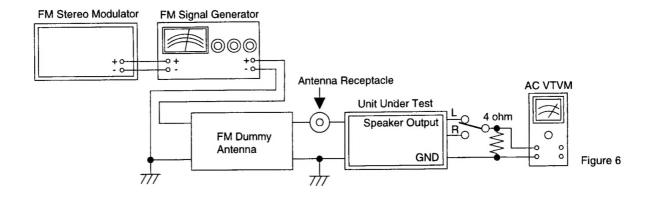


Figure 2









(3) Control Settings

Power Switch ON	Treble/Bass Control Center Position
Fader Control Center Position	Band Switch FM
Balance Control Center Position	Others OFF

(4) Adjustment Procedures

Step	Description	Connection	Signal Generator	Dial Control	Test Point/ P.W.Board Coordinates	Adjustment	
1	VT Adjustment	Figure 2	_	Max.	T.P.3 (3-B)	Adjust L2006 for 7.5V.	
2	IF Adjustment	Figure 3	98.1MHz, 60dB µ (Mod. 400Hz, Dev. 40kHz)	98.1MHz	T.P.7 (4-B) T.P.8 (4-B)	Adjust L2101 for 0±20mV.	
3	Ant. Coil Adjustment	Figure 4	90.1MHz, 20dB µ (Mod. 400Hz, Dev. 40kHz)	90.1MHz	Speaker Output	Adjust L2002 for max. output.	
4	RF Coil Adjustment	Figure 4	90.1MHz, 20dB µ (Mod. 400Hz, Dev. 40kHz)	90.1MHz	Speaker Output	Adjust L2005 for max. output.	
5	IFT Coil Adjustment	Figure 4	98.1MHz, 20dB μ (Mod. 400Hz, Dev. 40kHz)	98.1MHz	Speaker Output	Adjust T2001 for max. output.	
6	Signal Meter Adjustment	Figure 5	98.1MHz, 34dB µ (Mod. 400Hz, Dev. 40kHz)	98.1MHz	T.P.9 (4-B)	Adjust VR2101 to 3.5V.	
7	Stereo Blend Adjustment (Lch)	Figure 6	98.1MHz, 34dB µ (Mod. 1kHz, Dev. 36kHz, Stereo, Lch Only)	98.1MHz	Speaker Output	Adjust VR2102 for Lch and Rch out level difference to be 8dB.	
8	Stereo Blend Adjustment (Rch)	Figure 6	98.1MHz, 34dB µ (Mod. 1kHz, Dev. 36kHz, Stereo, Rch Only) 98.1MHz Speaker Output 7.		Proceed same adjustment under step 7.		

2. MW/LW SECTION

(1) Dummy Antenna Circuit

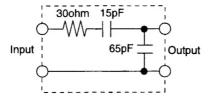
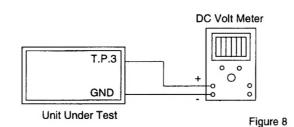


Figure 7

(2) Connections



Antenna Receptacle

AC VTVM

AM Dummy
Antenna

GND

Unit Under Test

Oscilloscope

Figure 9

(3) Control Settings

AM Signal Generator

000

7/7

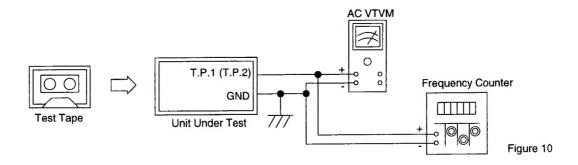
Power Switch ON	Treble/Bass Control Center Position
Fader Control Center Position	Band Switch LW/MW
Balance Control Center Position	Others OFF

(4) Adjustment Procedures

Step	tep Description Connection 1 VT Adjustment Figure 8		Signal Generator	Dial Control	Test Point/ P.W.Board Coordinates	Adjustment
1			1440	LW f. Max.	T.P.3 (3-B)	Adjust L2204 for 7.5V.
2	Figure 9		162kHz, 30dB μ (Mod. 400Hz, 30%)		Speaker Output	Adjust L2202 for max. output.
3	MW RF Coil Adjustment	Figure 9		603kHz	Speaker Output	Adjust L2203 for max. output.
4	Figure 8		999kHz, 40dB µ (Mod. 400Hz, 30%)	999kHz		Adjust T2201, 2202 for max. output.

3. TAPE PLAYER SECTION

(1) Connection



(2) Control Settings

Power Switch ON

Fader Control Center Position

Balance Control Center Position

Treble/Bass Control Center Position

Others OFF

(3) The necessaries for adjustment

GR-S Extension Cord Assy., EX Cord Kit for GR-S Mechanism Part No. 01E23255S01

See Adjustment Locations (Figure 13).

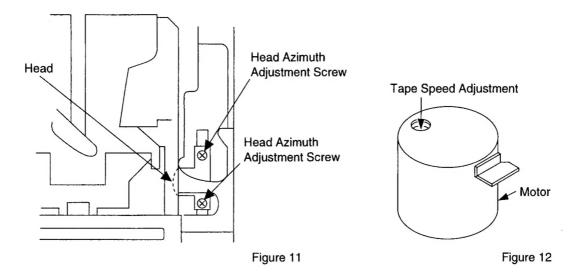
(4) Adjustment Procedures

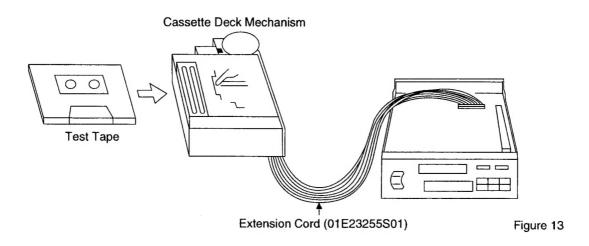
Step	Description	Test Tape	Connection	Test Point/ P.W.Board Adjustment Point Coordinates		Adjustment
1	Head Azimuth Adjustment	MTT-114NB (14kHz)	Figure 10	T.P.1 (Lch) (2-C) T.P.2 (Rch) (2-C)	Head Azimuth Adjustment screws (Figure 11)	Adjust for Max. and same level output at Forward and Reverse positions.
2 (0)	Dolby Level Adjustment	MTT-150 (400Hz)	Figure 10	T.P.1 (Lch) (2-C) T.P.2 (Rch) (2-C)	VR2101 (Lch) VR2102 (Rch)	Adjust for 388mV at T.P.1 (Lch) and T.P.2 (Rch).
3	Tape Speed Adjustment	MTT-111N (3kHz)	Figure 10	T.P.1 (Lch) (2-C) or T.P.2 (Rch) (2-C)	Tape Speed Adjustment (Figure 12)	Adjust for 2,970 to 3,090Hz at T.P.1 (T.P.2).

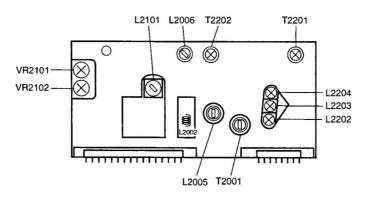
NOTE: O: For TDM-7545R Model Only, Others: Common



Adjustment Locations







FM/MW/LW Tuner Unit (FE001)

NOTE: For the Test Points, refer to the Parts Layout on P.W. Boards and Wiring Diagram.

LCD Display

)	
	D (AF	RPT	ALL	M.I.X.	MTL	DX S	eek e	s. Ne	ws i	ir B (000
E	.O.N.	TP T.	INFO				TA DATE	100 70 Noted	col. 10dash	1 15000	ST
Λ		4 0=4	l								
						M 13011	YI 1)///\	1 1 <i>10</i> 11\1			MO
1	2	3 4	⊔ <i>V</i> ∠	5	6 7	8	9	10	10d. p. 11	12	
	PAD No.	1	2	3	4	5	6	7	8	9	10
	COM.1	1b, c		2e	2d		4d	4c			
	COM.2	E.O.N.	2a	2f, g		2i	4f	4a			
	сом.з	1a, e, f, j, n	2h	2n	21	2j	4n, j	4b			
		11	12	13	14	15	16	17	18	19	20
		5m	5d	5k	5c	6m	6k	7m	7d	7k	8m
		5n	5h, I	5j	6e	6n	6j	7n	7h, l	7j	8n
		5g	5i	5b	6f	6g	6i	7g	7a	7i	8 g
		21	22	23	24	25	26	27	28	29	30
		8d	8k	8c	9m	9d	9k	10m	10d	10k	10d. p.
		8h, I	8j	9e	9n	9h, I	9j	10n	10h, I	10j	10col
		8i	8b	9f	9g	9a	9i	10g	10a	10i	10dash
		31	32	33	34	35	36	37	38	39	40
		11m	11k	12e	12m	12d	12k	12c	МО	COM. 1	
		11n	11j	11c	12n	12h, I	12j	12b	ST		COM. 2
		11g	11i	11b	12f	12g	12i	12a	00		
				12							
		41	42	43	44	45	46	47	48	49	50
			11d	11e	10c	10e	9c	8e	7c	7e	6c
			11h, I	11f	10b	10f	9b	8f	7b	7f	6b
		COM. 3	11a	○ NR B	NEWS	B. S.	SEEK	8a	DX	MTL	M.I. X.

COM.1 COM.2 COM.3	PAD No.	51	52	53	54	55	56	57	58	59	60
	COM.1										
COM.3	COM.2										
	COM.3										

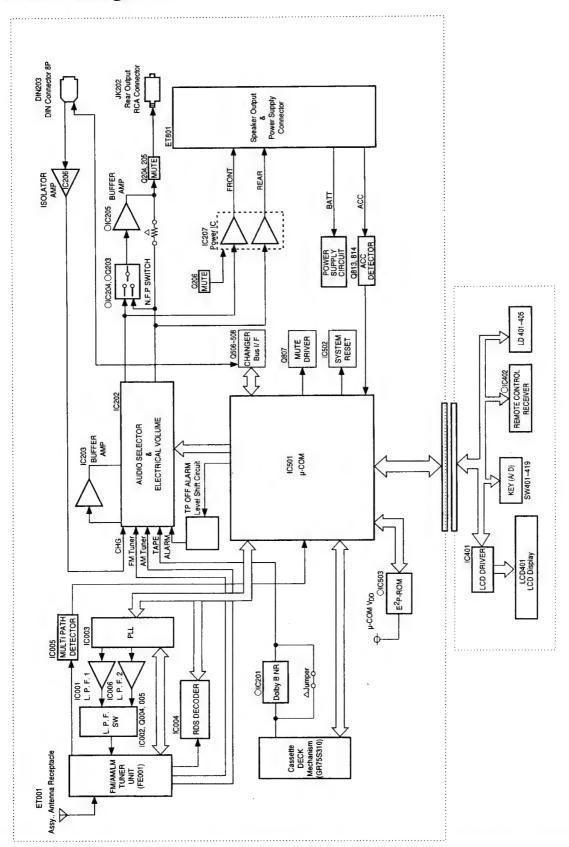
61	62	63	64	65	66	67	68	69	70

71	72	73	74	75	76
6d	5e	Doo	T. INFO	4e	2c
6h, I	5f	ALL	TP	3b, c	LD
6a	5a	RPT	AF	3n, j	2b

NOTE : ○ : For TDM-7545R Model Only, △ : For TDM-7544R Model Only,

Others: Common.

Block Diagram

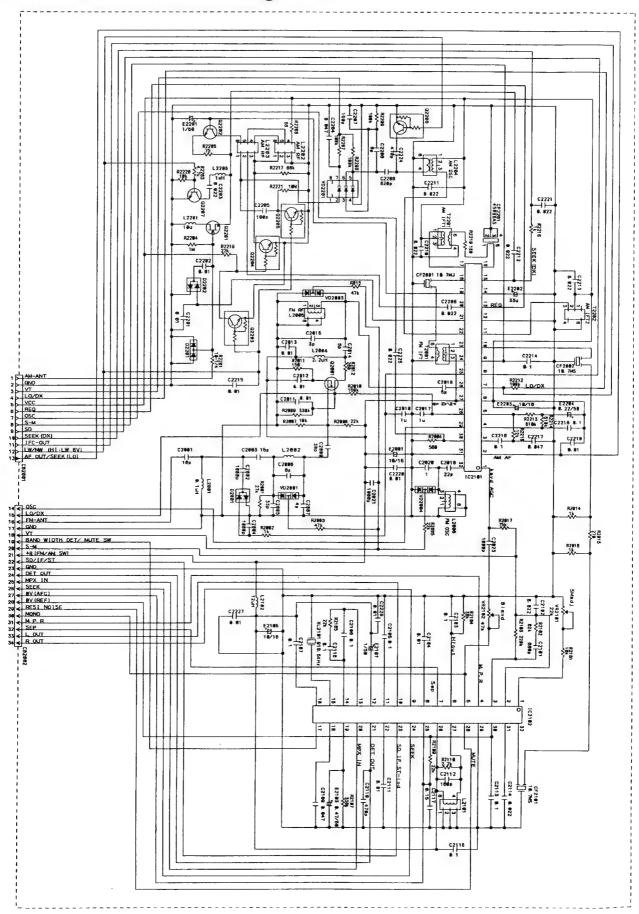


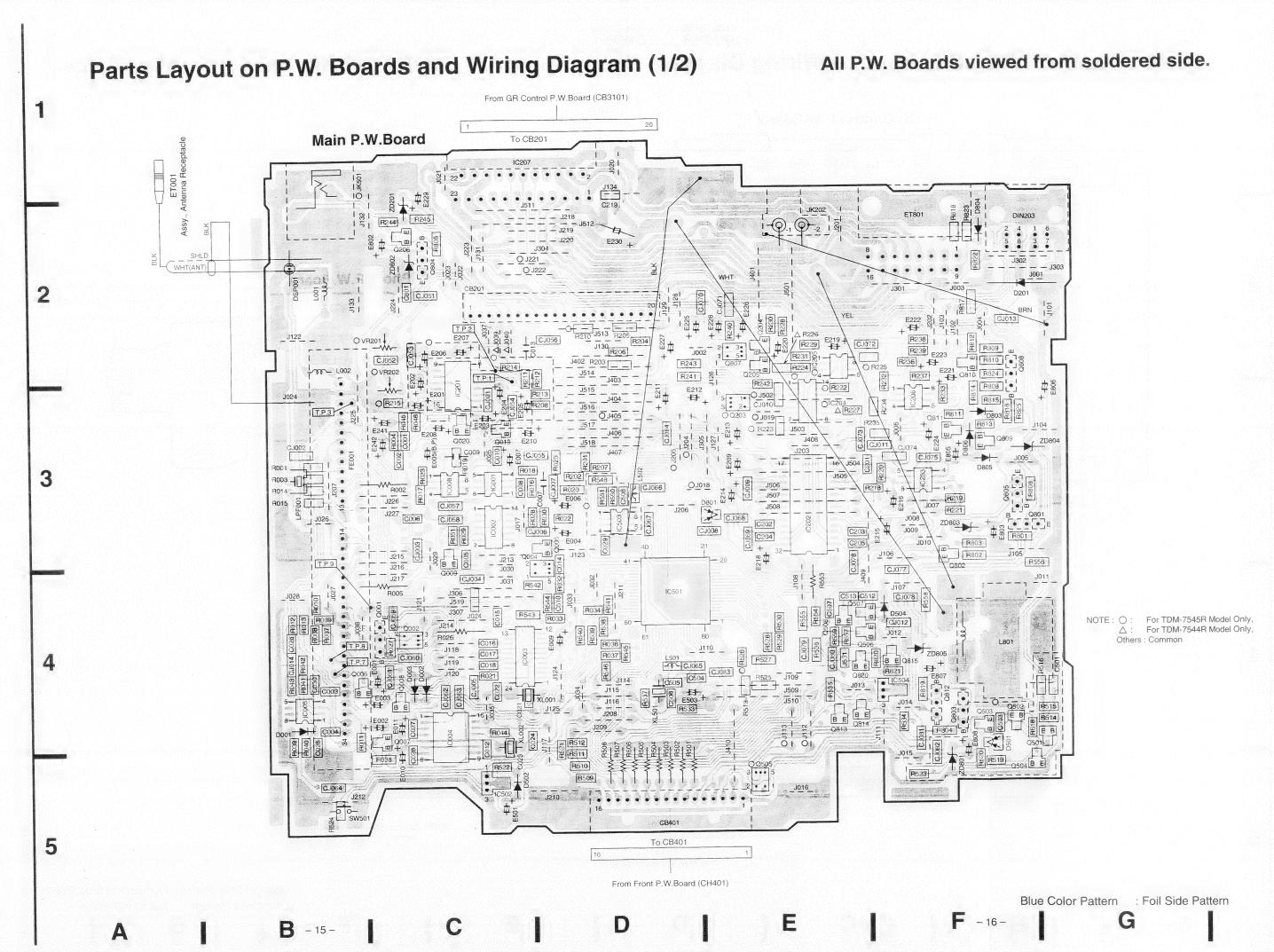
NOTE : ○: For TDM-7545R Model Only,

 \triangle : For TDM-7544R Model Only,

Others: Common.

Tuner Schematic Diagram

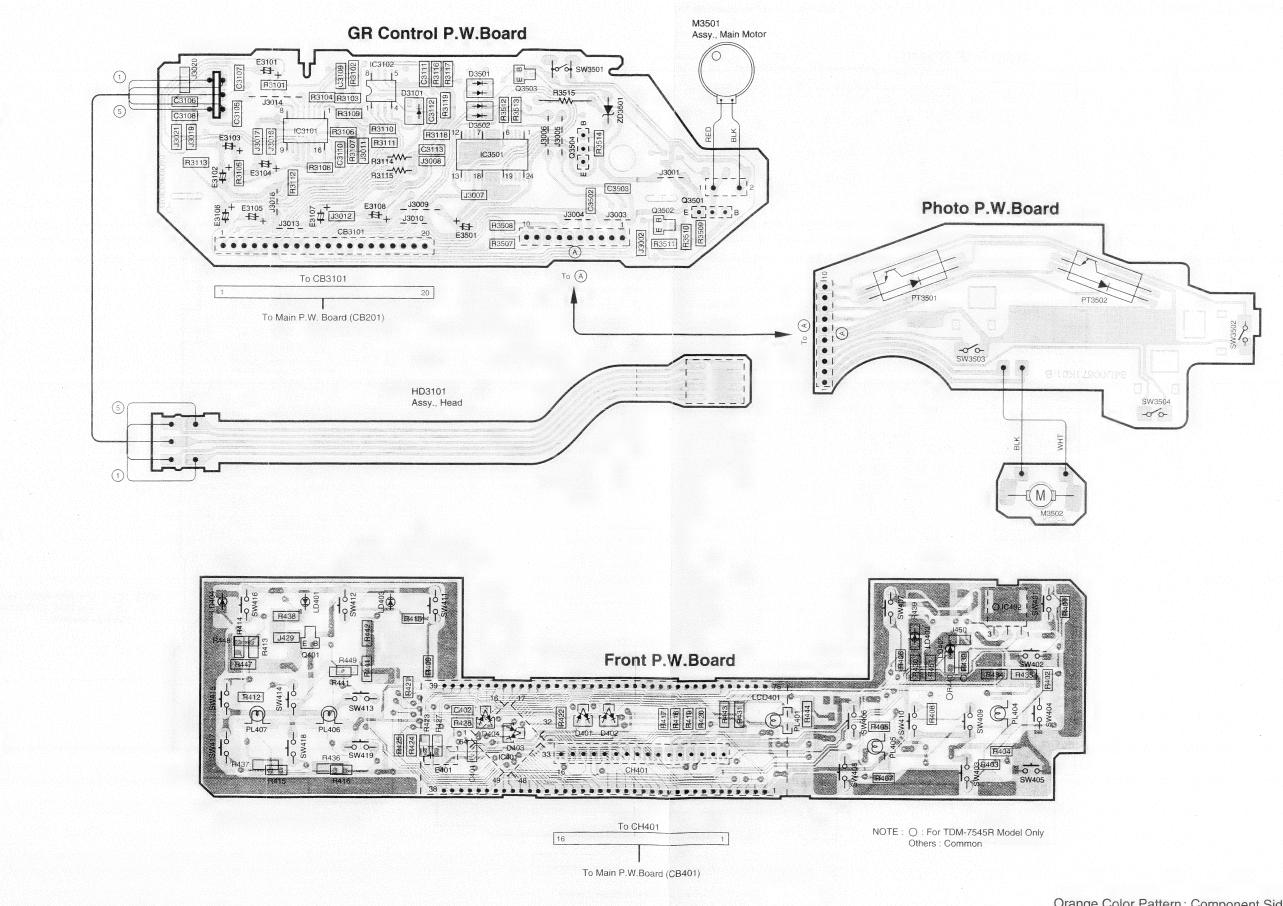




TDM-7545R/ TDM-7544R TDM-7545R/ TDM-7544R

Parts Layout on P.W. Boards and Wiring Diagram (2/2)

All P.W. Boards viewed from soldered side.

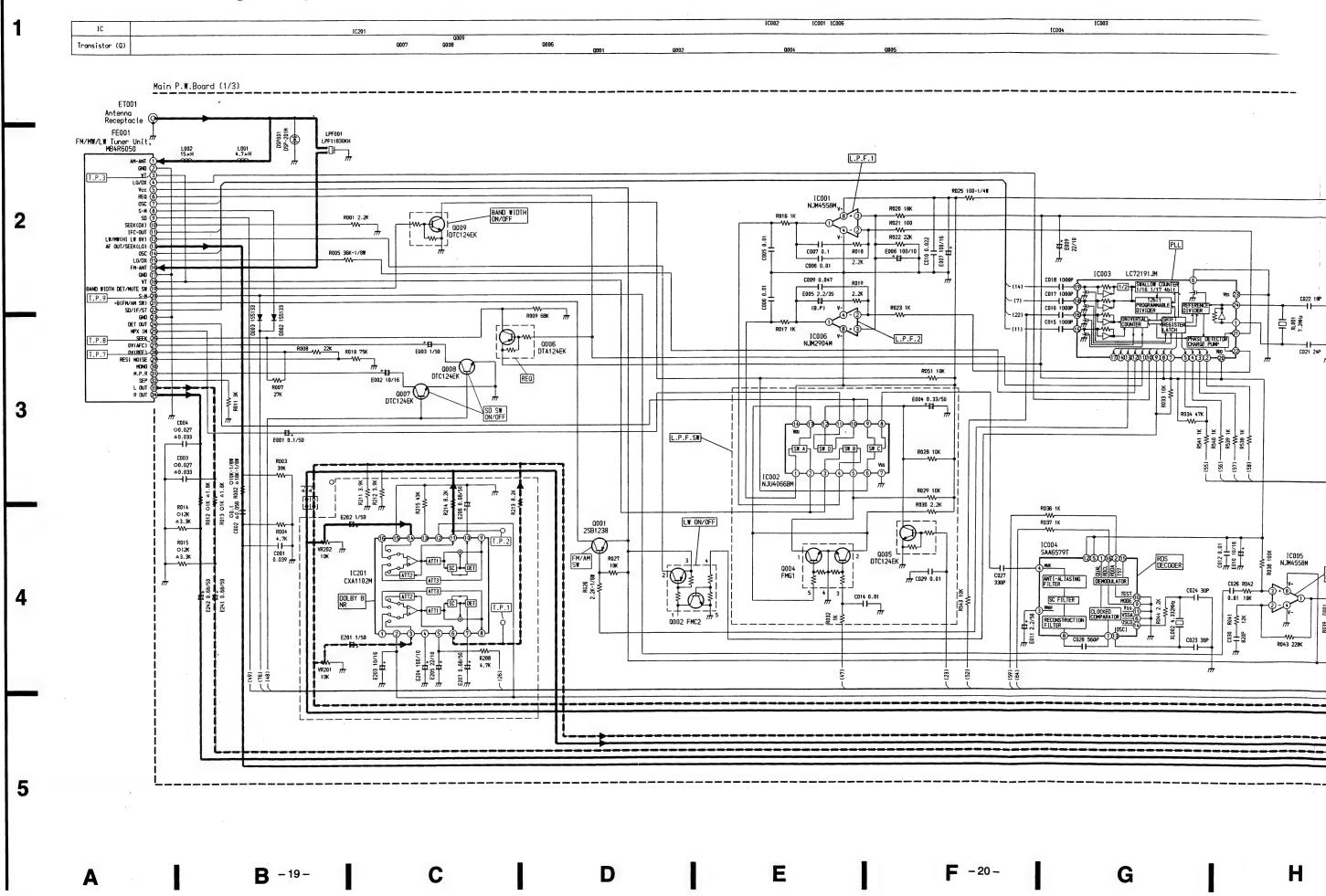


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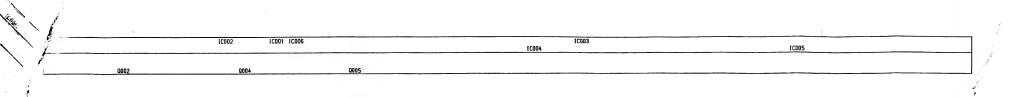
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Schematic Diagram (1/4)



ALPI-00411 /Druck 3



R022 22K E005 2.2/35 E004 D.33/50 L.P.F.SW R029 10K R036 1K LW ON/OFF R037 1K 1C004 SAA6579T C029 0.01

G

IC00	1,006	IC00)2	IC00	3				ICO)4			ICOC)5	O IC	201
1	3.4V	1	13V	1	2.4V	14	NC		1	NC	8~11	ov	1, 2	5V	1	NC
2-4	ov	2-4	OV	2-4	٥٧	15, 16	ov	1	2	2.6V	12	5 V	3	4.9V	2	-8.8V
5-7	NC	5, 6	13V	5	5V	17	NC	1	3	2.5V	13	2.4V	4	οv	3-7	ov
8	13V	7	ov	6	ov	18	0V	1	4	0V	14	2.5V	5-7	NC	8,9	NC
		8~11	3.4V	7,8	5V	19	2.5V	1	5	5V	15	NC	8	8.8V	10-15	ov
		12	13V	9-11	0V	20	5V	1	6	OV	16	2.5V			16	NC
		13	0V	12	4.6V	21-23	ov	1	7	2.5V						
		14	13V	13	0V	24	2.6V						•			

	Ε	С	В	MODE
Q001	9V / 9V	0V/9V	8V / 8V	AM / FM
Q005	ov/ov	0V / 14V	5V / 0V	MUTE ON/OFF
Q006	5V	5V	ov	REQ
Q007	0V/0V	0V/0V	0V / 5V	SD SW ON/OFF
Q008	ov/ov	0V/0V	0V / 5V	SD SW ON/OFF
Q009	0V/0V	0V / 13V	8V / 0V	BAND WIDTH ON/OFF

	1	2	3	4	5	MODE
Q002	NC	8V / 0V	8V / 8V	5V / 0V	0V/0V	LW ON/OFF
Q004	13V / 0V	0V / 13V	5V / 0V	0V/0V	0V / 13V	AF ON/OFF

[Measuring Conditions]

 Power Supply Voltage : DC14.4V

 Measuring Meter : Digital Multi Meter

• Measuring Point Reference : Between Ground

 Measuring Conditions : No Signal Input

FM 98.1MHz

MW 999kHz

LW 216kHz

Tape Blank

NOTE: O: For TDM-7545R Model Only,

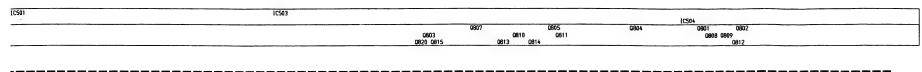
• : For TDM-7544R Model Only,

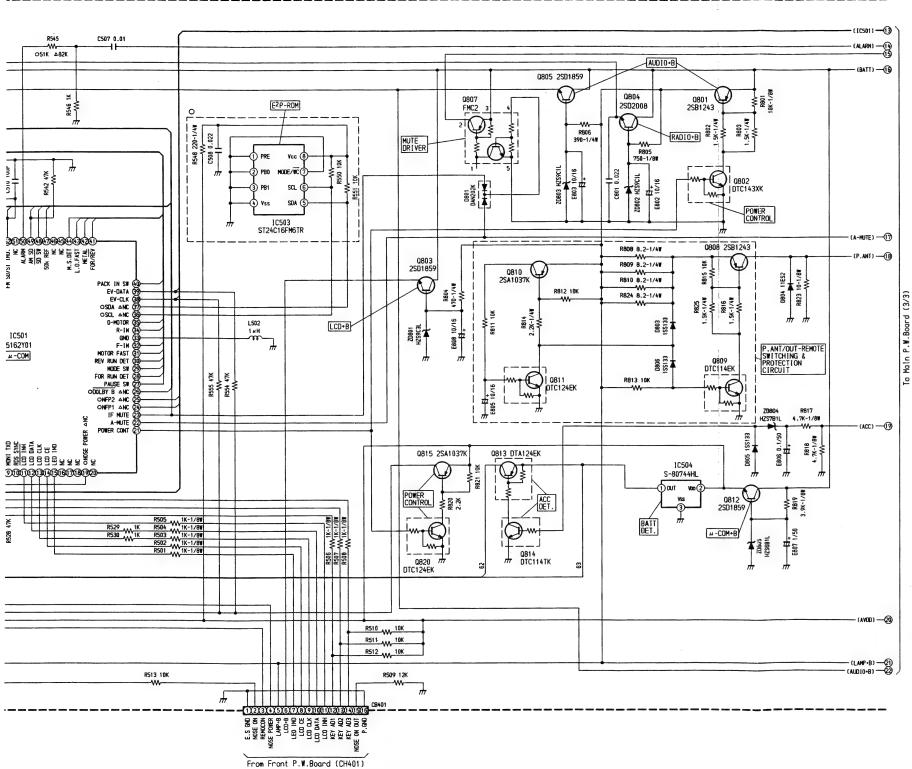
Others: Common.

1. All resistance values are in ohms. K = 1,000

2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

K





IC501	l					IC5	02
1-3	5.1V	29	5.1V	64	2.5V	1.2	5.2V
4	ov	30-35	OV	65	5.1V	3	ov
5, 6	NC	36, 37	○ ov	66, 67	ov		
7-9	5.1V	30, 37	ΔNC	68	5.1V		
10	ov	38-43	ov	69	3.1V	01	C503
11	5.1V	44	5.1V	70	2.7V	1-7	ov
12, 13	ov	45, 46	NC	71	ov	8	5V
14	3.5V	47, 48	5.1V	72	NC		
15	5.1V	49, 50	٥٧	73	٥٧	l	
16-18	NC	51	NC	74, 75	5.1V	IC5	
19	O 5.1V	52	4.3V	76, 77	ov	1111	4.9V
19	△NC	53, 54	NC	78	217	2	5.2V
20	NC	55~58	ov	79	ov	3	ov
21	5.1V	59	2.5V	80	2.5V	1	
22, 23	ov	60	5.1V				
24-26	O 5.1V	61	○ 3.5V]	
24-20	ΔNC] "	ΔNC				
27, 28	0V	62, 63	4.9V]	

	E	С	В	MODE
O Q501	5V / 5V	5V / 0V	5V / 5V	REAR REMOTE CONTROL ON/OFF
C 0502	OV/OV	0V / 0V	4V / 0V	REAR REMOTE CONTROL ON/OFF
○ Q503	0V/0V	3V / 3V	0V / 0V	REAR REMOTE CONTROL ON/OFF
○ Q504	0V / 0V	0V / 0V	0V / 0V	REAR REMOTE CONTROL ON/OFF
Q801	14V / 14V	14V / 0V	13V / 13V	POWER ON/OFF
Q802	0V/0V	0V / 14V	5V / OV	POWER ON/OFF
Q803	9V/0V	14V / 14V	9V / OV	POWER ON/OFF
Q804	9V / 0V	14V / 14V	9V / OV	POWER ON/OFF
Q805	9V/0V	14V / 14V	9V / OV	POWER ON/OFF
Q808	14V/0V	14V / 0V	13V / 13V	POWER ON/OFF
Q809	0V/0V	0V / 13V	13V / 0V	POWER ON/OFF
Q810	13V / 13V	13V / 0V	13V / 13V	PROTECT ON/OFF
Q811	0V / 0V	13V / 0V	10V / 0V	PROTECT ON/OFF
Q812	5.2V	14V	5.8V	
Q813	5V / 5V	5V / 0V	0V / 5V	ACC ON/OFF
Q814	OV/OV	0V / 5V	7V/0V	ACC ON/OFF
Q815	5V / 5V	5V / 0V	5V / 5V	POWER ON/OFF
Q820	0V/0V	0V / 5V	5V / OV	POWER ON/OFF

	1	2	3	4	5	MODE
O Q505	NC	5V	5V	5V	٥٧	
Q807	NC	14V / 0V	14V / 14V	5V / 0V	0V / 0V	MUTE ON/OFF

[Measuring Conditions]

: DC14.4V · Power Supply Voltage

 Measuring Meter : Digital Multi Meter

• Measuring Point Reference : Between Ground

Measuring Conditions

: No Signal Input FM 98.1MHz

MW 999kHz

LW 216kHz

Tape Blank

NOTE: O: For TDM-7545R Model Only,

• : For TDM-7544R Model Only,

Others: Common.

NOTE:

1. All resistance values are in ohms. K = 1,000

2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

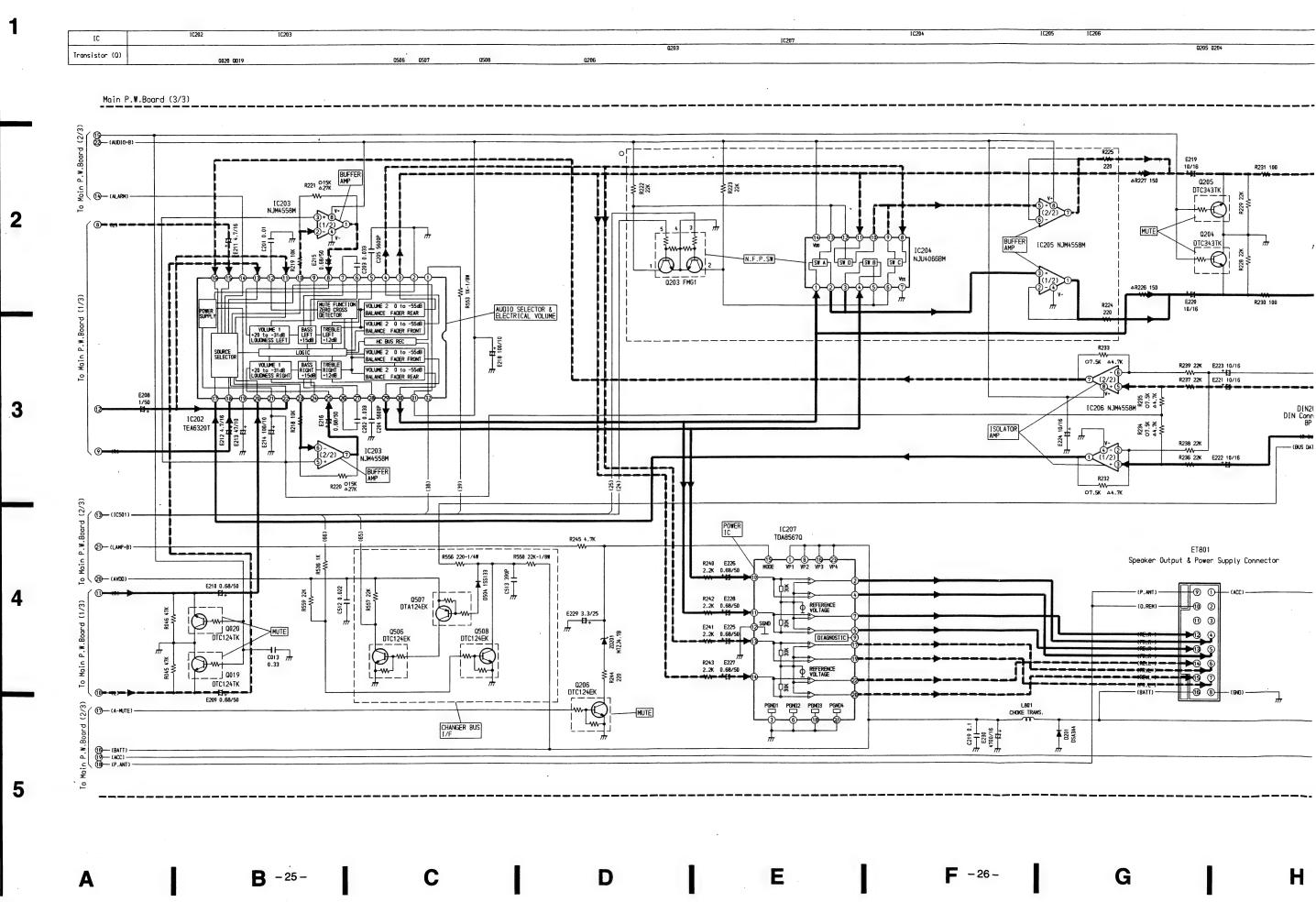
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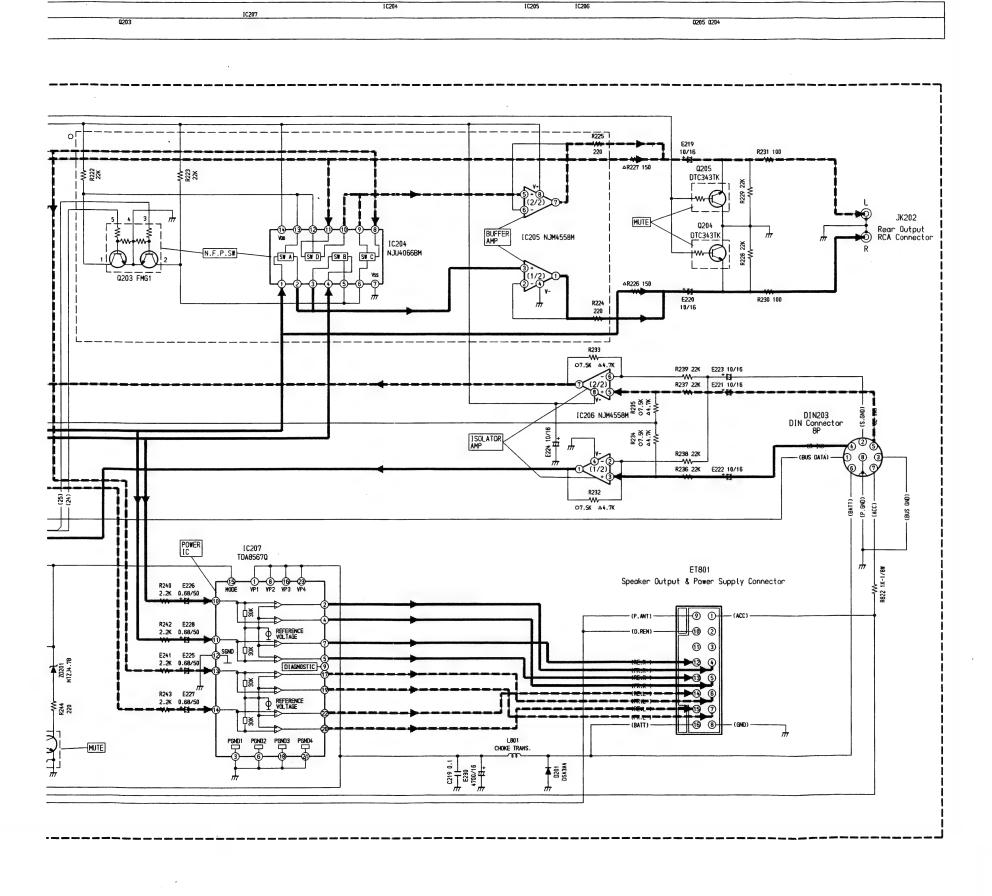
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K

Schematic Diagram (3/4)



ALPI-00411 /Druck 7



IC20	2			IC20	3, 206	O IC	204	0	IC	205	IC207	7		
1	5.2V	13~18	4.5V	1-3	4.4V	1-4	4.4V	1-:	3	4.4V	1	14V	13, 14	2V
2	ov	19	8.9V	4	ov	5~7	ov	4	7	0V	2	7.1V	15	5.6V
3-7	4.5V	20-23	4.5V	5-7	4.4V	8-11	4.4V	5~	7	4.4V	3	0V	16	14V
8	ov	24	NC	8	8.8V	12-14	8.8V	8	1	8.8V	4, 5	7.1V	17	7.1V
9	NC	25	0V								6	ov	18	0V
10	4.5V	26~30	4.5V	1							7	7.1V	19, 20	7.1V
11	—	31	9V	1							8	4.5V	21	٥٧
12	8.9V	32	4.5V	1							9	NC	22	7.1V
				•							10, 11	2V	23	14V
											12	ov		

E	. с	В	MODE
0V/0V	0V/0V	14V / 0V	MUTE ON/OFF
0V/0V	0V/0V	14V/0V	MUTE ON/OFF
0V/0V	0V/0V	14V/0V	MUTE ON/OFF
OV/OV	0V/0V	14V / 0V	MUTE ON/OFF
0V/9V	0V/0V	5V/0V	MUTE ON/OFF
ov	5V	0V	
5V	ov	5V	
ov	14V	OV	
	0V/0V 0V/0V 0V/0V 0V/0V 0V/9V 0V 5V	0V/0V 0V/0V 0V/0V 0V/0V 0V/0V 0V/0V 0V/0V 0V/0V 0V/9V 0V/0V 0V 5V 5V 0V	0V/0V 0V/0V 14V/0V 0V/0V 0V/0V 14V/0V 0V/0V 0V/0V 14V/0V 0V/0V 0V/0V 14V/0V 0V/9V 0V/0V 5V/0V 0V 5V 0V 5V 0V 5V

	1	2	3	4	5	MODE
O 0203	9V / 0V	0V/9V	5V / 0V	0V/0V	0V / 5V	NFP ON/OFF

[Measuring Conditions]

 Power Supply Voltage : DC14.4V

 Measuring Meter : Digital Multi Meter

Measuring Point Reference : Between Ground

 Measuring Conditions : No Signal Input FM 98.1MHz

MW 999kHz

LW 216kHz

Tape Blank

NOTE: O: For TDM-7545R Model Only,

• : For TDM-7544R Model Only,

Others : Common.

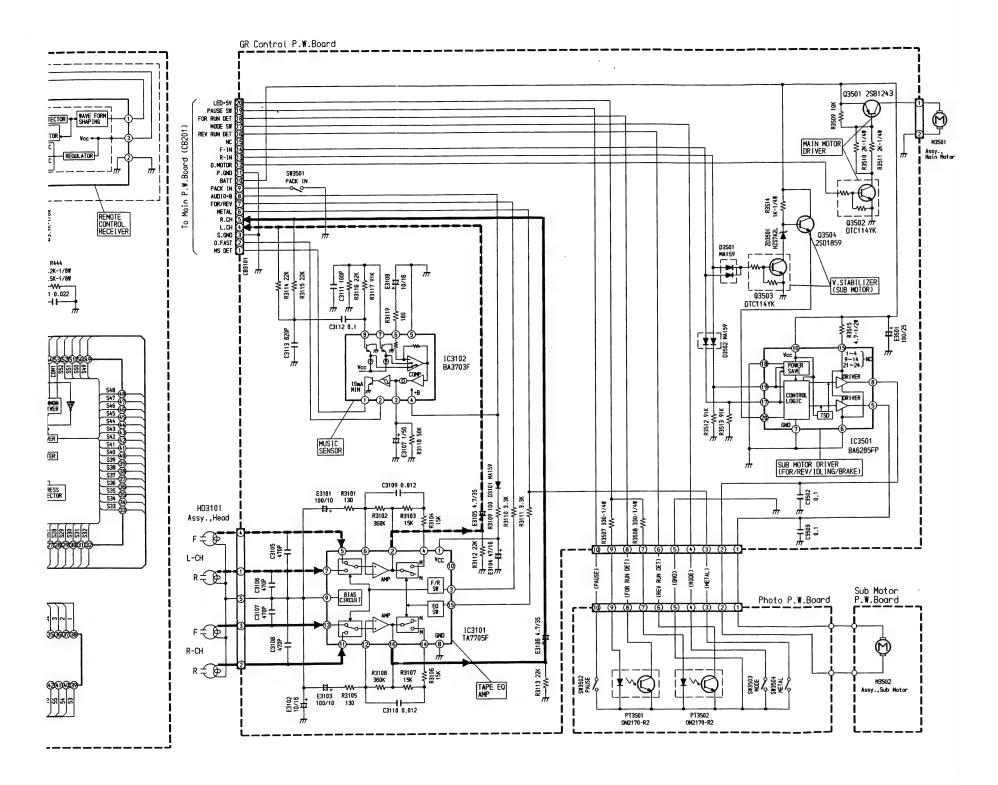
NOTE:

1. All resistance values are in ohms. K = 1,000 2. All capacitance values are in microfarads. P = 1,000,000

K

D

H



IC401 O IC402 1-3 2.6V 60 1 2.3V NC 61 3.9V 8-55 2.6V 62 3.5V 3 5.1V 56, 57 5.2V 63 0.4V 58 3.5V 64 0.3V 59 NC

	E	С	В	MODE
Q401	0V / 0V	0V / 14V	5V / 0V	LED IND. ON/OFF

[Measuring Conditions]

: DC14.4V Power Supply Voltage : Digital Multi Meter Measuring Meter Measuring Point Reference : Between Ground Measuring Conditions : No Signal Input FM 98.1MHz

MW 999kHz LW 216kHz Tape Blank

IC31	01			IC31	02	IC350	IC3501	
1	10.7V	9	3V	1	5.2V	1-4	NC	
2	3.1V	10	NC	2,3	OV	5-8	ov	
3	5.2V	11-13	3V	4	12V	9~14	NC	
4	3.1V	14	3.1V	5	ov	15, 16	12V	
5-7	3V	15	0V	6	0.6V	17~19	ov	
8	ov	16	3.1V	7,8	ov	20	12V	
						21-24	NC	

	E	С	В	MODE
Q3501	12V	11.8V	11.3V	
Q3502	ov	0.1V	5V	
Q3503	0V	5.5V	ov	
Q3504	11.6V	12V	12V	

[Measuring Conditions]

 Power Supply Voltage : DC12V Measuring Meter

: Digital Multi Meter • Measuring Point Reference : Between Ground Measuring Conditions : Tape Blank

NOTE: O: For TDM-7545R Model Only,

• : For TDM-7544R Model Only,

Others: Common.

1. All resistance values are in ohms. K = 1,000

2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

K

Description of IC Terminal

15162Y01: IC501

Na		Cumbal	1/0	Torminal Description
No.		Symbol	1/0	Terminal Description
1		KEY A / D 3	_	Key A/D 3 Input Terminal.
2		KEY A / D 2		Key A / D 2 Input Terminal.
3		KEY A / D 1	-	Key A/D 1 Input Terminal.
4		GND	_	GND Connection Terminal.
5 6		NC	_	No Connection Terminal.
7		V _{DD}	_	Power Supply Connection Terminal.
8		MONI RXD	ı	RDS Monitor Input Terminal.
9		MONI TXD	0	RDS Monitor Output Terminal.
10		RDS SYNC	0	Sync. Signal Output Terminal.
11		LCD INH	0	INH Signal Output Terminal to LCD Driver (LC75850W).
12		LCD DATA	0	Serial Data Output Terminal to LCD Driver (LC75850W).
13		LCD CLK	0	Serial Clock Output Terminal to LCD Driver (LC75850W).
14		LCD CE	0	CE Signal Output Terminal to LCD Driver (LC75850W).
15		LED IND	0	Function Indicator Control Signal Output Terminal.
16				
5		NC	_	No Connection Terminal.
18				
	0	NOSE POWER	0	Power Control Signal Output Terminal to Nose.
19	Δ	NC		No Connection Terminal.
20		NC	_	No Connection Terminal.
21	P	OWER CONT	0	Power Supply Control Signal Output Terminal for Audio, Light and Tuner.
22		A-MUTE	0	Audio Mute Signal Output Terminal.
23		IF MUTE	0	IF Mute Output Terminal.
	0	NFP 1	0	NFP Control Signal Output Terminal.
24	Δ	NC		No Connection Terminal.
	0	NFP 2	0	NFP Control Signal Output Terminal.
25	Δ	NC	_	No Connection Terminal.
	0	DOLB Y B	0	B NR ON/OFF Signal Output Terminal.
26	Δ	NC	_	No Connection Terminal.
27		PAUSE SW	ı	Pause Mode Detection Input Terminal.
28	F	OR RUN DET	ı	For Reel Rotating Detection Input Terminal.
29		MODE SW	ı	Mode Detection Input Terminal.
30	F	REV RUN DET	1	Rev Reel Rotating Detection Input Terminal.
31		MOTOR FAST	0	Main Motor Rotating Control Output Terminal.
32		F-IN	0	Sub Motor Rotating Control Output Terminal.
33		GND	_	GND Connection Terminal.
34		R-IN	0	Sub Motor Rotating Control Output Terminal.
35		O-MOTOR	0	Motor Rotating Control Output Terminal.
				V

No.	Symbol	1/0	Terminal Description			
	O SCL	0	Clock Output Terminal for E2P-ROM.			
36	△ NC	1-	No Connection Terminal.			
	O SDA	1/0	Data Terminal for E ² P-ROM.			
37	△ NC	1-	No Connection Terminal.			
38	38 EV-CLK O Serial Clock Output Terminal to Electrical Volume (TEA6320T).					
39	EV-DATA	0	Serial Data Output Terminal to Electrical Volume (TEA6320T).			
40	PACK IN SW	1	Pack IN Detection Input Terminal.			
41	FOR/REV	0	Tape Direction Indicator Output Terminal.			
42	METAL	1	Metal Tape Detection Terminal.			
43	L.O.FAST	0	Gain Control Signal Output Terminal of MS IC at CUE/REV.			
44	M.S.DET	1	Blank Detection Signal Input Terminal.			
45 46	NC	_	No Connection Terminal.			
47	50k REF	0	LPF Switching Signal Output Terminal at Active RDS.			
48	SDSW	0	Time Constant Switching Terminal for High Speed Active PLL.			
49	AM SD	1	AM SD Signal Input Terminal.			
50	ALARM	0	Alarm Signal Output Terminal.			
51	NC	1_	No Connection Terminal.			
52	FM SD / ST IND.	1	ST Signal Input Terminal at Receiving FM. FM SD Signal Input Terminal at Tuning FM.			
53 54	NC	_	No Connection Terminal.			
55	PLL DI	1	Data Input Terminal from PLL (LC72191JM).			
56	PLL CLK	0	Sync. Signal Output Terminal to PLL (LC72191JM).			
57	PLL DO	0	Data Output TErminal to PLL (LC72191JM).			
58	PLL CE	0	Communication Control Signal Output Terminal to PLL (LC72191JM).			
59	RDS DATA	ı	RDS Data Input Terminal from RDS Decoder (SAA6579T).			
60	RESET	1	System Reset Signal Input Terminal.			
64	OREMOCON	ı	Remocon Data Input Terminal.			
61	△ NC	_	No Connection Terminal.			
62	ACC DET	1	ACC (Ignition) Detection Signal Input Terminal.			
63	BAT DET	1	Battery Detection Signal Input Terminal. (Manage Compulsion Stand-by.)			
64	RDS CLOCK	1	RDS Clock Input Terminal from RDS Decoder (SAA6579T).			
65	CHG BUS IN	1	Signal Input Terminal from CD Changer BUS I/F.			
66	CHG BUS OUT	0	Signal Output Terminal to CD Changer BUS I/F.			
67	PULL-DOWN	_	Pull-Down Connection Terminal.			
68	V _{DD}	-	Power Supply Connection Terminal.			
69	X2		System Clock OSC Circuit Connection Terminal. (4.9152MHz)			
70	X1		System Clock Coo Chedit Connection Tentinal. (4.5132WILL)			
71	GND	_	GND Connection Terminal.			
72	NC	-	No Connection Terminal.			

No.	Symbol	1/0	Terminal Description
73	GND	_	GND Connection Terminal.
74	AV _{DD}	_	Analog Power Supply Terminal for A/D Converter.
75	AVREF	1	Reference Voltage Input Terminal for A/D Converter.
76	S-METER	ı	Signal Meter Input Terminal.
77	MULTIPATH	1	Multi Path Rejection Detection Terminal for Receiving Station.
78	SELECT	1	Function Set Up Input Terminal.
79	GND	_	GND Connection Terminal.
80	NOSE ON	ı	Front Panel Detection Signal Input Terminal.

NOTE : ○: For TDM-7545R Model Only,

 \triangle : For TDM-7544R Model Only,

Others :Common.

Electrical Parts List Resistor : Carbon resistors under 1/4 watts are not mentioned in the parts list, please confirm them by schematic diagram.

			Capacitor: // F=	mic	ofarade	s,pF=picofarac	ds
		Abbrev		S	ymbol	Part No.	Description
	RES.= R		CAP.= Capacitor		No.		
		rbon Film	ELY.= Electrolytic	0	Q501	48E22900S01	CP., 2SA1037K
	M.F.= M		CER.= Ceramic	0	Q502	48E22093S01	CP., DTC114EK
1	M.O.= Metal Oxide Film MYL.= Mylar				Q503	48E22093S01	CP., DTC114EK
١	И.Р.= Ме	tal Plate	TAN.= Tantalum	0	Q504	48E22093S01	CP., DTC114EK
	TR. = Trans		POLY.= Polystyrol	0	Q505	48E11274S01	CP., FMC2
1	FRANS.=	Transformer	PP. = Polypropylene				
(CP. = Ch	ip	PLT.= Polyethylene		Q506	48E10426S01	CP., DTC124EK
			PF. = Polyester Film		Q507	48E22092S01	CP., DTA124EK
S	ymbol	Part No.	Description		Q508	48E10426S01	CP., DTC124EK
	No.				Q801	48E23853S01	2SB1243
	Main	P.W.Board			Q802	48E22095S01	CP., DTC143XK
Г					Q803	48E23606S01	2SD1859
	IC's				Q804	48E23542S01	2SD2008
	IC001	51E20551S01	NJM4558M		Q805	48E23606S01	2SD1859
	IC002	51E23844S01	NJU4066BM		Q807	48E11274S01	CP., FMC2
	IC003	51T85265W02	LC72191JM		Q808	48E23853S01	2SB1243
	IC004	51T55054W02	SAA6579T				
	IC005	51E20551S01	NJM4558M		Q809	48E22093S01	CP., DTC114EK
					Q810	48E22900S01	CP., 2SA1037K
	IC006	51E23842S01	NJM2904M	1	Q811	48E10426S01	CP., DTC124EK
0	IC201	51T11210W01	CXA1102M	1	Q812	48E23606S01	2SD1859
	IC202	51T65131W01	TEA6320T	1	Q813	48E22092S01	CP., DTA124EK
	IC203	51E20551S01	NJM4558M	1			
0	IC204	51E23844S01	NJU4066BM		Q814	48E23601S01	CP., DTC114TK
					Q815	48E22900S01	CP., 2SA1037K
0	IC205	51E20551S01	NJM4558M		Q820	48E10426S01	CP., DTC124EK
	IC206	51E20551S01	NJM4558M				
	IC207	51T95038W02	TDA8567Q				
	IC501	51T15162Y01	15162Y01	1	1		
	IC502	51T95014F13	S-8052HNM-CR		<u></u>		
					Diode	s / Surge Pr	rotector
0	IC503	51T15231Y01	ST24C16FM6TR		D001	48E22916S01	11SS133
	IC504	51T95563W01	S-80744HL		D002	48E22916S01	1SS133
					D003	48E22916S01	15S133
					D201	48T68580F03	DSA3A4
				0	D501	48E10945S01	CP., DAN202K
	·			Ĭ			,
	Trans	istors			D502	48E22916S01	1SS133
	Q001	48E23541S01	2SB1238		D504	48E22916S01	155133
	Q002	48E11274S01	CP., FMC2		D801	48E10945S01	CP., DAN202K
	Q004	48E23846S01	CP., FMG1		D803	48E22916S01	15S133
	Q005	48E10426S01	CP., DTC124EK		D804	48E20758S01	11ES2
	Q006	48E22092S01	CP., DTA124EK				
					D805	48E22916S01	188133
	Q007	48E10426S01	CP., DTC124EK		D806	48E22916S01	155133
	Q008	48E10426S01	CP., DTC124EK		ZD201	48E25416S01	Zener, MTZJ4.7B
	Q009	48E10426\$01	CP., DTC124EK	1	ZD801	48T83128F27	Zener, HZS9C3L
	Q019	48E27613S01	CP., DTC124TK	1	ZD802	48T83128F25	Zener, HZS9C1L
	Q020	48E27613S01	CP., DTC124TK				
					ZD803	48T83128F25	Zener, HZS9C1L
0	Q203	48E23846S01	CP., FMG1			48T83128F13	Zener, HZS7B1L
	Q204	48E20986S01	CP., DTC343TK			48T83128F04	Zener, HZS6B1L
	Q205	48E20986S01	CP., DTC343TK	1		48T81909F01	Surge Protector, DSP-201M
	Q206	48E10426S01	CP., DTC124EK		3, 301	.2.0.000101	Sarge Frontion, DSF-201W
				1.	L	1	

NOTE : \bigcirc : For TDM-7545R Model Only, \triangle : For TDM-7544R Model Only, Others : Common.

Symbol No.	Part No.	Description	S	ymbol No.	Part No.	Description		
INU.	L	.4		E011	23E09402S13	ELY.,	2.2µF / 50V	
Coilo			Ш	C012	08E22083S01	CP.,	0.01µF	
Coils IL001	25E23608S01	Inductor, 4.7µH		C013	08E27616S01	TF.	0.33µF	
L002	24E24202S01	Inductor, 4.7µH	- 11	C014	08E22083S01	CP.,	0.01µF	
		Inductor, CP. 1µH	- 11	C015	08E22083S01	CP.,	1000pF	
L501	24E22096S01		- 11	CUIS	08E22061301	OF.,	ТОООРГ	
L502	24E22096S01	Inductor, CP. 1µH	- 11		0050001001	lop.	1000-F	
L801	24E27607S01	Choke, Trans.		C016	08E22081S01	CP.,	1000pF	
		•	- 11	C017	08E22081S01	CP.,	1000pF	
			- 11	C018	08E22081S01	CP.,	1000pF	
				C021	08E23580S01	CP.,	24pF	
				C022	08E23579S01	CP.,	18pF	
Crysta	als							
XL001	91E24846S01	7.2MHz		C023	08E08423S05	CP.,	30pF	
XL002	91E27606S01	4.332MHz	- 11	C024	08E08423S05	CP.,	30pF	
XL501	91E27605S01	4.9152MHz	- 11	C025	08E22085S01	CP.,	0.022µF	
			Ш	C026	08E22083S01	CP.	0.01μF	
				C027	08E22079S01	CP.,	330pF	
				0027	000001	0, .,	ОООРГ	
	l	1	-11	C028	08E27612S01	CP.,	560pF	
Filter				C029	08E22083S01	CP.,	0.01µF	
	91T75257W02	LPF11830KH		C030	08E22511S01	CP.,	820pF	
				C201	08E22083S01	CP.,	0.01μF	
			0	E201	23E09402S01	ELY.,	1μF / 50V	
				C202	08E22086S01	CP.,	0.033µF	
0	1					ELY.,	•	
Switc		TT . OVALUATION (DECEM		E202	23E09402S01	· ·	1μF / 50V	
SW501	40E27609S01	Tact, SKHH17920A (RESET)		C203	08E22086S01	CP.,	0.033µF	
			0	E203	23E09402S02	ELY.,	10μF / 16V	
- C			Ш	C204	08E23599S01	CP.,	5600pF	
			$ _{\circ}$	E204	23E09402S09	ELY.,	100µF / 10V	
Capa	citore			C205	08E23599S01	CP.,	5600pF	
1C001	08E24214S01	CP., 0.039µF	$ _{\circ}$	E205	23E09402S07	ELY.,	22μF / 10V	
E001	23E09402S10	ELY., 0.1µF / 50V	0	E206	23E09402S03	ELY.,	0.68μF / 50V	
	08E26532S01	CP., 0.1µF		E207	23E09402S03	ELY.,	0.68μF / 50V	
~			0	207	23509402303	ELT.,	0.66με / 500	
△ C002	08E27735S01	CP., 0.056μF	- 11					
E002	23E09402S02	ELY., 10µF / 16V	- 11	E208	23E09402S01	ELY.,	1μF / 50V	
				E209	23E09402S03	ELY.,	0.68µF / 50V	
○ C003	08E08577S04	CP., 0.027μF	0	C210	08E22081S01	CP.,	1000pF	
△ C003	08E22086S01	CP., 0.033µF	- 11	E210	23E09402S03	ELY.,	0.68µF / 50V	
E003	23E09402S01	ELY., 1µF / 50V	- 11	E211	23E27614S01	ELY.,	4.7μ F / 16V	
○ C004	08E08577S04	CP., 0.027μF	- 11					
△ C004	08E22086S01	CP., 0.033µF		E212	23E27614S01	ELY.,	4.7µF / 16V	
				E213	23E09402S12	ELY.,	47μF / 10V	
E004	23E09402S16	ELY., 0.33µF / 50V	- []	E214	23E09402S09	ELY.,	100µF / 10V	
C005	08E22083S01	CP., 0.01µF	11	E215	23E09402S03	ELY.,	0.68µF / 50V	
E005	23E09403S03	ELY., (B.P) 2.2µF / 35V	11	E216	23E09402S03	ELY.,	· ·	
			11	-210	20203402003	LL 1.,	0.68µF / 50V	
C006	08E22083S01	CP., 0.01µF	- 11	5015	005001055		400 E 1 :	
E006	23E09402S09	ELY., 100µF / 10V	- 11	E218	23E09402S09	ELY.,	100μF / 10V	
			- 11	C219	08E22088S01	CP.,	0.1µF	
C007	08E22435S01	TF, 0.1μF	- 11	E219	23E09402S02	ELY.,	10μF / 16V	
E007	23E27615S01	ELY., 100μF / 16V		E220	23E09402S02	ELY.,	10μF / 16V	
C008	08E22083S01	CP., 0.01µF		E221	23E09402S02	ELY.,	10μF / 16V	
C009	08E22938S01	TF, 0.047µF					-	
E009	23E09402S07	ELY., 22µF / 10V		E222	23E09402S02	ELY.,	10μF / 16V	
				E223	23E09402S02	ELY.,	10μF / 16V	
C010	08E22085S01	CP., 0.022µF	- 11	E224	23E09402S02	ELY.,	10μF / 16V	
E010	23E09402S02	ELY., 10µF / 16V	- 11	E225	23E09402S02			
1-010		and topi , toy		-220	20203402303	ELY.,	0.68µF / 50V	

 $NOTE:\bigcirc: For\ TDM-7545R\ Model\ Only,\quad \triangle: For\ TDM-7544R\ Model\ Only,\quad Others:\ Common.$

	nbol lo.	Part No.	Description	Sym		Part No.	Description
	-	23E09402S03	ELY., 0.68µF / 50V		019	06E22051S01	2.2K ohm
		23E09402S03	ELY., 0.68µF / 50V	1 1	020	06E22035S01	18K ohm 1/8W
		23E09402S03	ELY., 0.68µF / 50V	1	021	06E22041S01	100 ohm
- 1		23E09402S04	ELY., 3.3µF / 25V		022	06E22060S01	22K ohm
-	230	23E27604S01	ELY., 4700μF / 16V	IRO	023	06E22048S01	1K ohm
- 1		23E09402S03	ELY., 0.68μF / 50V	Ro	025	06E22115S01	100 ohm 1/4W
E	242	23E09402S03	ELY., 0.68µF / 50V	RO	027	06E20903S01	10K ohm
0 0	501	08E22088S01	CP., 0.1μF	RO	028	06E20903S01	10K ohm
E	501	23E09402S02	ELY., 10µF / 16V	RO	029	06E20903S01	10K ohm
O C	503	08E08577S02	CP., 1500pF	RO	030	06E22051S01	2.2K ohm
E	503	23E09402S09	ELY., 100µF / 10V	RO	032	06E22048S01	1K ohm
lc	504	08E22085S01	CP., 0.022µF	1 1	033	06E20903S01	10K ohm
		08E23580S01	CP., 24pF		034	06E22062S01	47K ohm
		08E08423S04	CP., 27pF		036	06E22048S01	1K ohm
	507	08E22083S01	CP., 0.01µF		37	06E22048S01	1K ohm
		0050005004	CD 0.000-F		200	00500000	4001/
- 1		08E22085S01	CP., 0.022μF		038	06E22037S01	100K ohm 1/8W
1		08E22899S01	CP., 100pF		039	06E22041S01	100 ohm
		08E22085S01	CP., 0.022μF)40	06E23575S01	330K ohm
	- 1	08E23557S01	CP., 390pF	Ro)41	06E22058S01	12K ohm
C	801	08E22085S01	CP., 0.022μF	RO)42	06E20903S01	10K ohm
E	802	23E08383S08	ELY., 10µF / 16V	RO	043	06E22066S01	220K ohm
E	803	23E08383S08	ELY., 10µF / 16V	RO)44	06E22051S01	2.2K ohm
E	805	23E09402S02	ELY., 10µF / 16V	Ro)45	06E22062S01	47K ohm
E	806	23E08383\$18	ELY., 0.1µF / 50V	RO)46	06E22062S01	47K ohm
E	807	23E08383S15	ELY., 1μF / 50V	R0)51	06E20903S01	10K ohm
F	808	23E08383S08	ELY., 10µF / 16V	Pa	201	06E22062S01	47K ohm
-	.000	2020000000	ССТ., ТОДІ 7 ТОУ		202		
- 1						06E22062S01	47K ohm
					203	06E22891S01	33K ohm 1/8W
			/41		204	06E22061S01	33K ohm
F	Resist	tors	(All resistors are chip 1/10W±5% unless otherwise noted.)	H2	205	06E22921S01	47K ohm 1/8W
_	1001	06E22051S01	2.2K ohm	R2	206	06E22062S01	47K ohm
R	1003	06E20850S01	39K ohm	R2		06E22062S01	47K ohm
R		06E22055S01	4.7K ohm	○ R2		06E22055S01	4.7K ohm
l _R		06E20904S01	27K ohm	O R2		06E22054S01	3.9K ohm
		06E22060S01	22K ohm	() R2		06E22054S01	3.9K ohm
l _D	1009	06E22064S01	68K ohm		212	06E220E7C04	9.2K ohm
				O R2		06E22057S01	8.2K ohm
		06E27611S01	75K ohm	O R2		06E22057S01	8.2K ohm
		06E22951S01	3K ohm	O R2		06E20851S01	43K ohm
-		06E22048S01	1K ohm		218	06E20903S01	10K ohm
	1012	06E22050S01	1.8K ohm	R2	219	06E20903S01	10K ohm
	1013	06E22048S01	1K ohm	○ R2	220	06E22507S01	15K ohm
	R013	06E22050S01	1.8K ohm	△ R2	220	06E20904S01	27K ohm
-	.0.0	06E22058S01	12K ohm	O R2	221	06E22507S01	15K ohm
△R			2 2V ahm	△ R2		06E20904S01	27K ohm
△ R	R014	06E22053S01	3.3K ohm				
△ R ○ R	R014 R014	06E22053S01 06E22058S01	12K ohm	○ R2	222	06E22060S01	22K ohm
△ R ○ R △ R	R014 R014 R015	06E22058S01	12K ohm	○ R2			
A R R	R014 R014 R015	06E22058S01 06E22053S01	12K ohm 3.3K ohm	R2R2	223	06E22060S01	22K ohm
A R R A R R R	R014 R014 R015 R015 R016	06E22058S01 06E22053S01 06E22048S01	12K ohm 3.3K ohm 1K ohm	R2R2R2R2	223	06E22060S01 06E22042S01	22K ohm 220 ohm
	R014 R015 R015 R015 R016 R017	06E22058S01 06E22053S01	12K ohm 3.3K ohm	R2R2	223 224 225	06E22060S01	22K ohm

 $\label{eq:note:common} \mbox{NOTE}: \bigcirc : \mbox{For TDM-7545R Model Only}, \quad \triangle : \mbox{For TDM-7544R Model Only}, \quad Others : \mbox{Common}.$

	ymbol	Part No.	Description	S	ymbol	Part No.	Description
	No. R227	06E24189S01	150 ohm		No. IR538	06E22048S01	1K ohm
Δ				- 11	R539	06E22048S01	1K ohm
	R228	06E22060S01	22K ohm				1K ohm
	R229	06E22060S01	22K ohm	- 11	R540	06E22048S01	
	R230	06E22041S01	100 ohm	- 11	R541	06E22048S01	1K ohm
	R231	06E22041S01	100 ohm	Ш	R542	06E22062S01	47K ohm
0	R232	06E22926S01	7.5K ohm		R543	06E26014S01	10K ohm 1/8W
Δ	R232	06E22055S01	4.7K ohm		R544	06E22065S01	100K ohm
0	R233	06E22926S01	7.5K ohm	0	R545	06E22546S01	51K ohm
Δ	R233	06E22055S01	4.7K ohm	Δ	R545	06E23573S01	82K ohm
0	R234	06E22926S01	7.5K ohm	Ш	R546	06E22048S01	1K ohm
Δ	R234	06E22055S01	4.7K ohm		R548	06E20752S01	220 ohm 1/4W
0	R235	06E22926S01	7.5K ohm		R550	06E20903S01	10K ohm
		06E22055S01	4.7K ohm	0	R551	06E20903S01	10K ohm
Δ	R235					06E22062S01	47K ohm
	R236	06E22060S01	22K ohm		R554		47K ohm 1/8W
	R237	06E22060S01	22K ohm		R555	06E22921S01	47K ONIN 178VV
	R238	06E22060S01	22K ohm		R556	06E20752S01	220 ohm 1/4W
	R239	06E22060S01	22K ohm		R557	06E22060S01	22K ohm
	R240	06E22051S01	2.2K ohm	- 11	R558	06E22036S01	22K ohm 1/8W
	R241	06E22504S01	2.2K ohm 1/8W		R559	06E22060S01	22K ohm
	R242	06E22051S01	2.2K ohm		R801	06E26014S01	10K ohm 1/8W
	R243	06E22504S01	2.2K ohm 1/8W		R802	06E22075S01	1.5K ohm 1/4W
	R244	06E22042S01	220 ohm	Ш	R803	06E22075S01	1.5K ohm 1/4W
	R245	06E22033S01	4.7K ohm 1/8W		R804	06E22548S01	470 ohm 1/4W
1	R509	06E22058S01	12K ohm	- 11	R805	06E23734S01	750 ohm 1/8W
	R510	06E20903S01	10K ohm		R806	06E23859S01	390 ohm 1/4W
				- 11			
1	R511	06E20903S01	10K ohm	- 11	R808	06E23596S01	8.2 ohm 1/4W
1	R512	06E20903S01	10K ohm	ш	R809	06E23596S01	8.2 ohm 1/4W
ı	R513	06E20903S01	10K ohm	- 11	R810	06E23596S01	8.2 ohm 1/4W
0	R514	06E22053S01	3.3K ohm	- 11	R811	06E20903S01	10K ohm
0	R515	06E22051S01	2.2K ohm		R812	06E20903S01	10K ohm
0	R516	06E22041S01	100 ohm		R813	06E20903S01	10K ohm
0	R518	06E20903S01	10K ohm		R814	06E22076S01	2.2K ohm 1/4W
	R519	06E22060S01	22K ohm		R815	06E20903S01	10K ohm
	R520	06E22060S01	22K ohm	11	R816	06E22075S01	1.5K ohm 1/4W
	R521	06E22060S01	22K ohm		R817	06E22033S01	4.7K ohm 1/8W
	R522	06E22055S01	4.7K ohm		R818	06E22033S01	4.7K ohm 1/8W
0	R523	06E22051S01	2.2K ohm	11	R819	06E22032S01	3.9K ohm 1/8W
	R524	06E22052S01	2.7K ohm		R820		2.2K ohm
1						06E22051S01	
0	R525 R526	06E22656S01 06E22055S01	6.8K ohm 1/8W 4.7K ohm		R821 R822	06E20903S01 06E22030S01	10K ohm 1K ohm 1/8W
	R527	06E22036S01	22K ohm 1/8W		R823	06E26014S01	10K ohm 1/8W
1	R528	06E22062S01	47K ohm		R824	06E23596S01	8.2 ohm 1/4W
1	R529	06E22048S01	1K ohm		R825	06E22075S01	1.5K ohm 1/4W
1	R530 R533	06E22048S01 06E22065S01	1K ohm 100K ohm		VR201	18E20754S01	Variable, 10K ohm
	noos	VOE22005501	TOOK OHIII		VR202	18E20754S01	Variable, 10K ohm
	R534	06E22066S01	220K ohm				
	R535	06E22921S01	47K ohm 1/8W				
	R536	06E22030S01	1K ohm 1/8W		1		
	R537	06E22062S01	47K ohm		1		

NOTE : ○: For TDM-7545R Model Only, △: For TDM-7544R Model Only, Others : Common.

S	ymbol	Part No.	Description	S	ymbol	Part No.	Description
	No.				No.		
1	_					40T75234W01	Tact, SKQNAC (EJECT)
	Front	P.W.Board				40T75234W01	Tact, SKQNAC (UP/FF)
ı				ı		40T75234W01	Tact, SKQNAC (SOURCE)
\bot	IC's			-		40T75234W01	Tact, SKQNAC (BAND/PROG/TITLE)
		51 T 55492W01	LC75850W	Δ	SW410	40T75234W01	Tact, SKQNAC (BAND/PROG)
0	IC402	51T95040W01	SBX8035F				
						40T75234W01	Tact, SKQNAC (AF)
						40T75234W01	Tact, SKQNAC (T.INFO)
L						40T75234W01	Tact, SKQNAC (NEWS/1/NR B)
i -				Δ	1	40T75234W01	Tact, SKQNAC (NEWS/1)
	Trans				SW414	40T75234W01	Tact, SKQNAC (PTY/2/P.S. DN)
ı	Q401	48E10426S01	CP., DTC124EK	ı			
ı				1		40T75234W01	Tact, SKQNAC (3/P.S. UP)
Ι.				ı		40T75234W01	Tact, SKQNAC (F)
				1		40T75234W01	Tact, SKQNAC (SCAN/6)
						40T75234W01	Tact, SKQNAC (RPT/5)
	Diode				SW419	40T75234W01	Tact, SKQNAC (M.I.X./4/B. SKIP)
		48E10946S01	CP., DA204K			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
	D402	48E10946S01	CP., DA204K				
	D403	48E10946S01	CP., DA204K		<u> </u>		L
	D404	48E10946S01	CP., DA204K				
					Capa		
					C401	08E22085S01	CP., 0.022μF
					E401	23T25191W42	CP. ELY., 22μF / 6.3V
				1	C402	08E08423S06	CP., 680pF
	Lamp			1			
		65T85125W05	9V-100mA	I		1	
Δ		65T75231W01	9V-85mA				
		65T75233W01	CP., 6V-80mA		ъ.		(All resistors are chip 1/10W±5%
		65T75233W01	CP., 6V-80mA	_	Resis		unless otherwise noted.)
1	PL406	65T75233W01	CP., 6V-80mA		R401	06E21164S01	1.5K ohm
	DI 407	CETTEDOO'440.	CD CV CO-A		R402	06E22051S01	2.2K ohm
	PL407	65T75233W01	CP., 6V-80mA		R403 R404	06E22053S01	3.3K ohm
					1	06E22111S01	5.6K ohm
				Ì	R405	06E20903S01	10K ohm
\vdash				ŀ	R406	06E21164S01	1.5K ohm
1	LEDI-				R405	06E21164S01 06E22051S01	1.0
-	LED's	48T65477W02	CP., SML-010LTT87 (RED)		R408		2.2K ohm
		48T65477W02	CP., SML-010LT187 (RED) CP., SML-010PTT87 (GRN)		R409	06E22053S01	3.3K ohm
ŀ	LD402	48T65477W03	CP., SML-010PTT87 (GRN)		R410	06E22111S01 06E20903S01	5.6K ohm
	LD403	48T65477W03	CP., SML-010PT187 (GRN)		N410	00020903501	10K ohm
	LD404	48T65477W03	CP., SML-010F1187 (GRN)		R411	06E21164S01	1.5K ohm
1	LD405	701034779902	OT ., SIMIL-OTOLITO/ (NED)		R411	06E21164S01	1.5K ohm
					R412		2.2K ohm 3.3K ohm
					R414	06E22053S01	
-	L	<u> </u>			R414	06E22111S01 06E20903S01	5.6K ohm
1	Curito	hoc			D413	00020903501	10K ohm
	Switc	nes 40T75234W01	Tact, SKQNAC		R416	06E22061501	33K ohm
	344401	401/52349901				06E22061S01	
,	ewas.	40T7E0041404	(PWR/R.SENSOR/INTLZ)		R417	06E20903S01	10K ohm
Δ		40T75234W01	Tact, SKQNAC (PWR/INTLZ)		R418	06E20903S01	10K ohm
1		40E23611S01	Tact, CP. EVQPJU04K (UP)		R419	06E20903S01	10K ohm
1		40T75234W01	Tact, SKQNAC (REW/DN)	1	R420	06E20903S01	10K ohm
	SW404	40E23611S01	Tact, CP. EVQPJU04K (MODE/LOUD)	1	D4C4	00500574004	100%
	CWAST	40500044004	Test OR EVOR HIGHE (DOMAN)		R421	06E23574S01	180K ohm
		40E23611S01	Tact, CP. EVQPJU04K (DOWN)		R422	06E23574S01	180K ohm
	SW406	40T75234W01	Tact, SKQNAC	1	R423	06E22048S01	1K ohm
	1		(TUNE/A.ME/PLAY/PAUSE)		R424	06E22048S01	1K ohm
	ł					1	

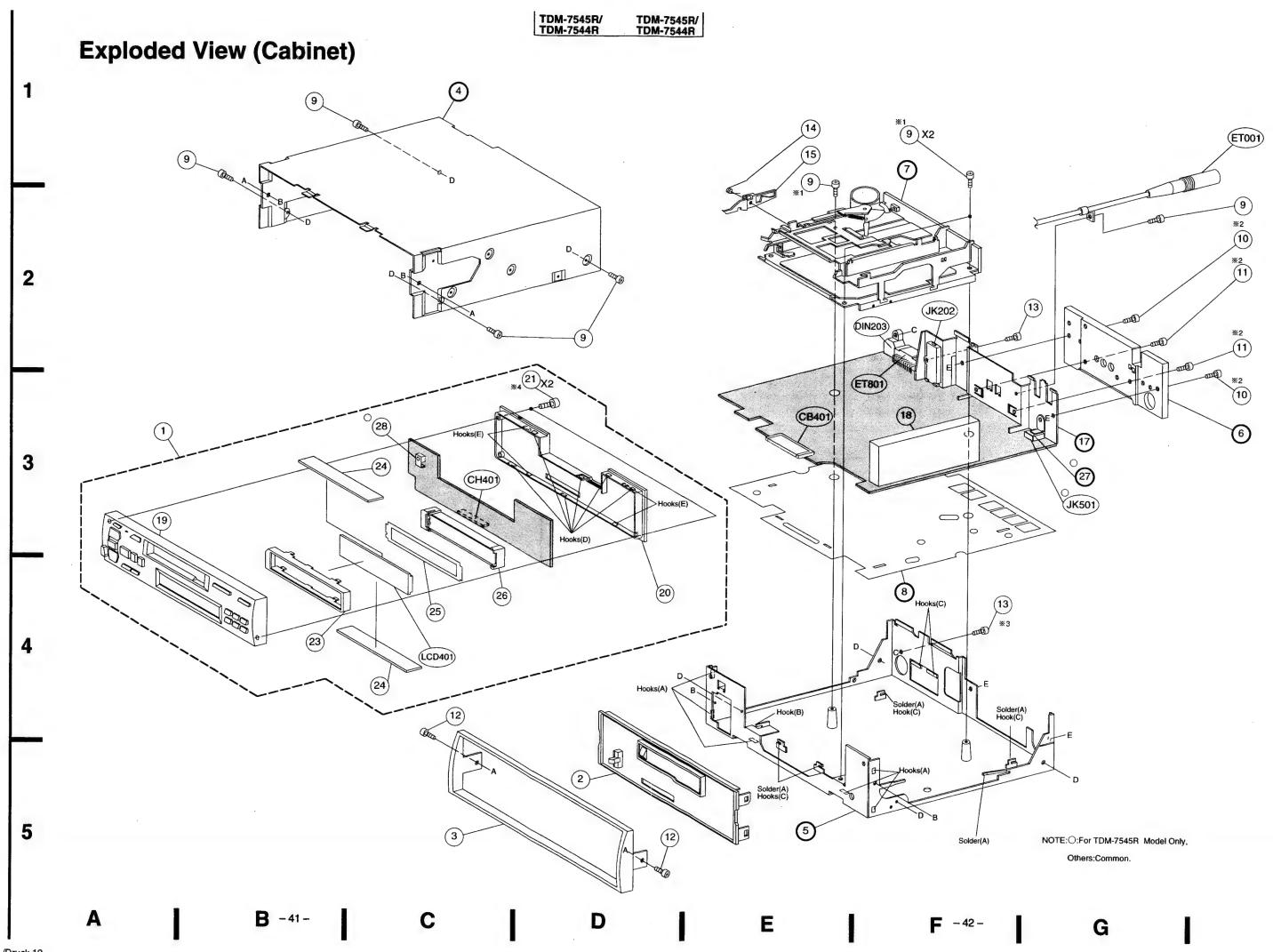
 $NOTE:\bigcirc\colon For\ TDM\text{-}7545R\ Model\ Only,\quad \triangle\colon For\ TDM\text{-}7544R\ Model\ Only,\quad Others\ :\ Common.$

S	ymbol	Part No.	Description	Symbol	Part No.	Description
	No.			No.		
	R425	06E22048S01	1K ohm			
	R427	06E22048S01	1K ohm	Capa		
	R428	06E22062S01	47K ohm	E3101	23S75372W02	ELY., 100µF / 10V
	R430	06E23859S01	390 ohm 1/4W	E3102	23S75372W04	ELY., 10μF / 16V
	R431	06E23858S01	15 ohm 1/4W	E3103	23S75372W02	ELY., 100µF / 10V
1				E3104	23\$75372W07	ELY., 47μF / 16V
\circ	R432	06E22048S01	1K ohm	C3105	08S72783F31	CP., 470pF
1	R434	06E23264S01	24 ohm 1/4W			
	R435	06E22114S01	27 ohm 1/4W	E3105	23S75372W09	ELY., 4.7μF / 35V
	R436	06E22114S01	27 ohm 1/4W	C3106	08S72783F31	CP., 470pF
	R437	06E22114S01	27 ohm 1/4W	E3106	23\$75372W09	ELY., 4.7μF / 35V CP., 470pF
	R438	06E33960604	3.9K ohm 1/4W	C3107 E3107	08\$72783F31 23\$75372W15	CP., 470pF ELY., 1µF / 50V
	R439	06E23860S01 06E23859S01	390 ohm 1/4W	23107	23373372W13	ΕΕΤ., ΤΡΕΤ 300
0	R440	06E23839301	1K ohm	C3108	08S72783F31	CP., 470pF
	R441	06E22048301	390 ohm 1/4W	£3108	23S75372W04	ELY., 10µF / 16V
	R442	06E23859S01	390 ohm 1/4W	C3109	08S53332F48	CP., 0.012µF
	11442	0022303300	550 GIIII 1/444	C3110	08S53332F48	CP., 0.012µF
\cap	R443	06E27623S01	4.3K ohm 1/8W	C3111	08S65128F35	CP., 100pF
Δ	R443	06E22032S01	3.9K ohm 1/8W			
0	R444	06E27624S01	6.2K ohm 1/8W	C3112	08\$35374W01	CP., 0.1μF
Δ	R444	06E27736S01	7.5K ohm 1/8W	C3113	08S82122F59	CP., 820pF
	R447	06E23859S01	390 ohm 1/4W	E3501	23\$75372W18	ELY., 100µF / 25V
				C3502	08S65128F76	CP., 0.1µF
	R448	06E23859S01	390 ohm 1/4W	C3503	08S65128F76	CP., 0.1μF
	R449	06E22048S01	1K ohm			
	R451	06E23860S01	3.9K ohm 1/4W			
1	•					
						(All resistors are chip 1/10W±5%
1				Resis	stors	unless otherwise noted.)
				R3101	06S53330F32	130 ohm 1/8W
		<u> </u>		R3102	06S64996F15	360K ohm
				R3103	06S64995F81	15K ohm
_	GRC	ontrol P.W.B	oard	R3104	06S53330F81	15K ohm 1/8W
	IOIs			R3105	06\$53330F32	130 ohm 1/8W
\vdash	IC's	51T64606F02	TA7705F	R3106	06S64995F81	15K ohm
		51T75010W01	BA3703F	R3107	06S64995F81	15K ohm
	1	51T75628W01	BA6285FP	R3108	06S64996F15	360K ohm
l		011100201101	5,1025011	R3109	06S53330F29	100 ohm 1/8W
				R3110	06S53330F65	3.3K ohm 1/8W
 	L	L		R3111	06S53330F65	3.3K ohm 1/8W
	Trans	istors		R3112	06S53330F85	22K ohm 1/8W
		48T84366F05	2SB1243		06S53330F85	22K ohm 1/8W
1	Q3502	48T62967F06	CP., DTC114YK	R3116	06S64995F85	22K ohm
	Q3503	48T62967F06	CP., DTC114YK	R3117	06S64996F01	91K ohm
I	Q3504	48T83835F03	2SD1859	11		
1				R3118	06S64995F95	56K ohm
				R3119	06S64995F35	180 ohm
L				R3507	06S70072F41	330 ohm 1/4W
				R3508	06S70072F41	330 ohm 1/4W
L	Diode	S	•	R3509	06S64995F77	10K ohm
	1	48T81063F01	CP., MA159	11		
1		48T81063F01	CP., MA159	R3510	06S70072F60	2K ohm 1/4W
		48T81063F01	CP., MA159	R3511	06S70072F60	2K ohm 1/4W
1	ZD3501	48T83128F11	Zener, HZS7A2L	R3512	06S53331F01	91K ohm 1/8W
				R3513	06S53331F01	91K ohm 1/8W
1	1		1		L	

 $\label{eq:note:common} \mbox{NOTE}: \bigcirc: \mbox{For TDM-7545R Model Only,} \quad \triangle: \mbox{For TDM-7544R Model Only,} \quad Others: \mbox{Common.}$

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
R3514 R3515	06S70072F53 06S81094F09	1K ohm 1/4W M.F., 4.7 ohm 1/2W			
CB401 CH401 DIN203 ET001 ET801 HD310 JK202 JK501 CD40 △ LCD40 M3501 M3502 PT3501 PT3502 SW350 SW350	09T85298W16 09T55493W02	16P Connector 16P Connector DIN Connector 8P Assy., Antenna Receptacle Speaker Output & Power Supply Connector Assy., Head Rear Output RCA Connector Remote Control Interface Connector LCD Display LCD. Display Assy., Main Motor (13.2V-95mA) Assy., Sub Motor (7V-370mA) Sensor, Photo ON2170-R2 Sensor, Photo ON2170-R2 Switch, Detector (PACK IN) Switch, Detector SPPB32 (PAUSE) Switch, Detector SPPB32 (MODE) Switch, Detector SPPB32 (METAL)			

NOTE : ○: For TDM-7545R Model Only, △: For TDM-7544R Model Only, Others : Common.



Cabinet Assembly Parts List

NOTE:Parts without part number are not supplied.

Syn	nbol	Index	Part No.	Description	Symbol			mber are not supplied. Description
N			Tarrivo.	Becomplien	No.			
0	_	3-A	01E27447S01	Assy., Nose Unit				
Δ	1		01E27444S01	Assy., Nose Unit				
	2		13E27728S01	Assy., Front Escutcheon				
	3		33E27729S01	Assy., Face Plate				
	9		03E09416S05	Screw, MCH-TPT (M2.6X6)				
	10		03E22117S01	Screw, MCH-TPT (M2.6X8)				
	11		03E22118S01	Screw, MCH-TPT (M2.6X14)				
	12		03E22133S01	Screw, MCH-TPT (M2.6X6) Screw, TPG-TPT (M2.6X8)				
	13 14		03E27618S01 41E27727S01	Spring, Lever Door		ll		
	14	1-6	41227727301	Spring, Level Door				
	15	1-E	45E27738S01	Lever, Door		ll		
	18		77E27449S01	FM/MW/LW Tuner Unit, MB4R6050				
				(FE001)				
0	19	3-A	13E27551S01	Assy., Nosepiece		l		
	19	3-A	13E27550S01	Assy., Nosepiece				
	20	4-D	13E26908S01	Nose, Bottom				
	21		03E22134S01	Screw, TPG (M1.7X10)				
	23	4-B	15E25405S01	Cover, LCD				
	24		75E27730S01	Rubber, Electric				
	25		26E27731S01	Reflector, Sheet		1		
	26	4-C	01E25404S01	Assy., Case LCD				
0	28	3-C	07E27732S01	Bracket, Remote				
			0.22.7.02001	Draditot, Fromoto				
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 ${\tt NOTE:\bigcirc:For\,TDM-7545R\,Model\,Only,}\quad \triangle: For\,TDM-7544R\,Model\,Only,\quad Others:Common.$

Disassembly Instructions

1. Removal of Nose Unit

(1) Refer to the Owner's Manual (Part No. 68P91666W52/53).

2. Removal of Front Escutch	neon
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(1)	After removal of Face Plate and 1	p Cover, remove six Hooks (A).	***************************************	Hooks (A) (4-D, 5-F)
-----	-----------------------------------	--------------------------------	---	----------------------

3. Removal of Cassette Deck

(1)	After removal of Front	Escutcheon, remove three screws No.9.		Screws No. 9	(※1) (1-E, 1-F)
(2)	Remove a Hook (B).		•••••		Hook (B) (4-E)

(3) Disconnect the connector from Main P.W. Board.

4. Removal of Main P.W. Board

(1)	After removal of Cassette Deck, remove four screws No. 10, 11,	Screws No. 10, 11 (※2) (2-G, 3-G)
	and remove the Heat Sink.	
(-)	- N. 40	Carous No. 12 (%2) (4 E)

(2) Remove a screw No. 13. Screw No. 13 (**3) (4-F)
(3) Remove five points of Solder (A) and six Hooks (C). Solder (A) (4-F, 5-E, 5-F)

Hooks (C) (4-F, 5-E, 5-F)

(4) Main P.W. Board with Bracket IC can be removed completely.

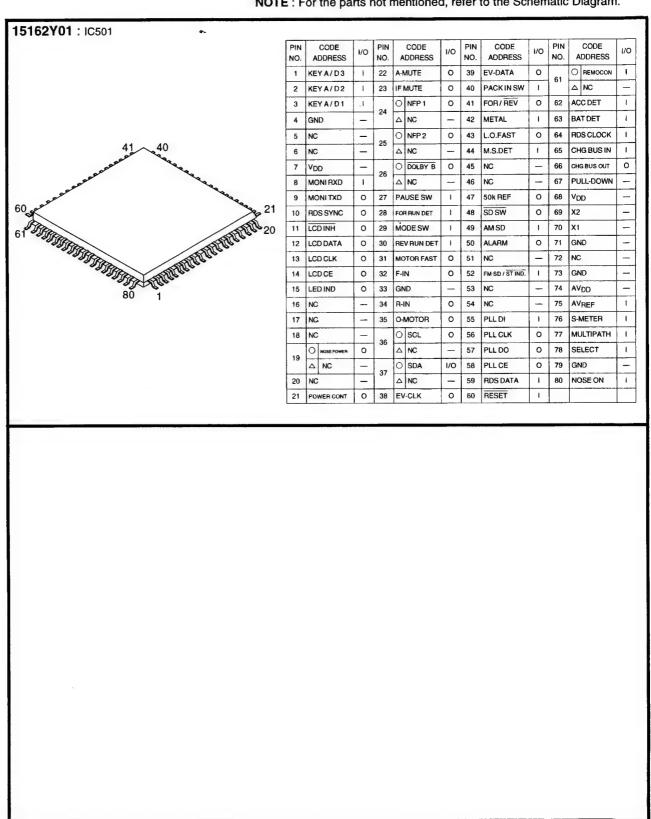
5. Removal of Front P.W. Board

Э. Г	nemoval of Front F.W. Board	
(1)	After removal of Nose Unit, remove two screws No. 21.	Screws No. 21 (%4) (3-D)
(2)	Remove six Hooks (D), and remove the Nosepiece.	Hooks (D) (3-D)
(3)	Remove four Hooks (E).	Hooks (E) (3-C, 3-D)

NOTE: For the screws No., Hook and Solder, refer to the Exploded View (Cabinet).

Semi - Conductor Lead Identifications

NOTE: For the parts not mentioned, refer to the Schematic Diagram.



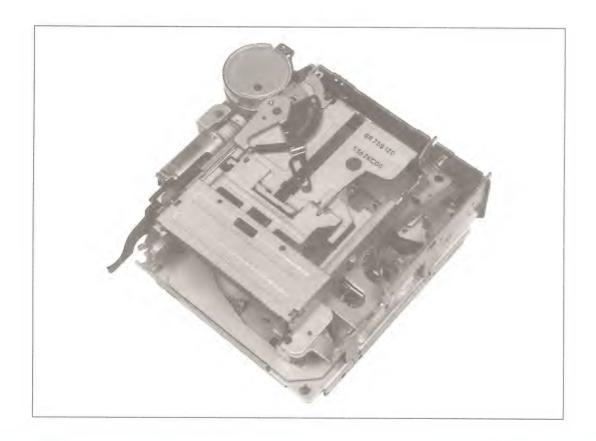
NOTE: O: For TDM-7545R Model Only,

△: For TDM-7544R Model Only,

Others: Common.



Cassette Deck Mechanism

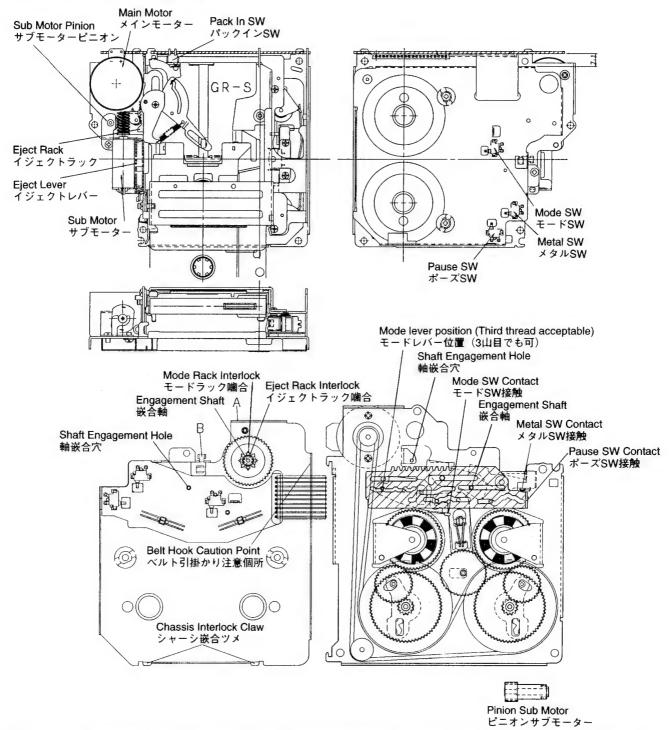


GR-SSERIES



Contents	
Basic Operation of GR-S Mechanism	3 to 11
Disassembly, Assembly and Replacement of Function Parts	12 to 21
Exploded View (Cassette Deck Mechanism)	23 to 24
Cassette Deck Mechanism Assembly Parts List	25

Basic Operation of GR-S Mechanism GR-Sメカ基本動作



Mode rack engagement should be made so that normal engagement is obtained when an end of section A touches the chassis closely with the pinion sub motor inserted in place and rotated after temporary installation of the bottom cover. In this case, the sub motor wires should be positioned in the normal guide of the section B (should not be jammed). The metal lever should be installed by moving the switch contact section to inside of the mechanism as in GR-H.

モードラックの噛合せはボトムカバー仮装着後PINION SUB MOTORを正規位置に挿入して回転させる。 A部端面がシャーシと密着出来たとき正常な噛合い状態になったことを意味する。 又このときサブモータワイヤがB部の正規ガイド位置にあること。(挟み込みさせないこと。) メタルレバーはGR-Hと同様にSW接触部をメカ内部に移動させて組み込むこと。

A. Loading

- 1. Insert a cassette pack.
- 2. PACK IN SW goes ON→OFF.
- SUB motor rotates and the power is transferred to SUB MOTOR PINION, EJECT rack, and EJECT lever, and moves to the direction shown by the arrow.
- 4. After completion of the cassette pack loading, motion start of the mode lever is detected by checking ON→ OFF of the PAUSE SW, and rotation of the SUB MOTOR stops once, and then the SUB MOTOR rotates in reverse direction until the PAUSE SW is ON again. After the stop of the SUB MOTOR, the main motor rotates.
- When the main motor rotates, both reels rotate in the winding direction and eliminate slack of the tape at the PAUSE position. (Loading completion)

A. ローディング

- 1. カセットパックを挿入する。
- 2. PACK IN SWがON→OFFになる。
- 3. SUBモーターが回転してSUB MOTOR PINION、 EJECTラック、EJECTレバーと動力が伝達し、矢印 方向へ移動する。
- 4. カセットパック装着完了後、モードレバーが動き始めたことを、PAUSE SWがON→OFFすることで、 検知しSUB MOTORの回転を一旦停止させ、再度 PAUSE SWがONするまで逆回転させる、SUB MO-TOR停止後メインモーターを回転させる。
- 5. メインモーターの回転により、両リールを巻き取り 方向に回転させ、テープのタルミをPAUSE位置でな くする。(ローディング完了)

B. Play

- Rotation of the main motor stops and the SUB MO-TOR rotates, thereby moving the mode lever to the PLAY position.
- Motion of the mode lever to the PLAY position is detected by checking ON/OFF number of the mode SW and rotating direction of the sub motor.
- After detection of the mode lever moved to the PLAY position, the SUB MOTOR rotation stops and the main motor rotates, thus entering the PLAY operation.

B. プレイ

- 1. メインモーターの回転を停止させ、SUB MOTORを回転させて、モードレバーをPLAY位置に移動させる。
- 2. モードレバーのプレイ位置への移動はモードSWの ON/OFF回数とサブモーターの回転方向で検知する。
- 3. モードレバーがPLAY位置に移動したことを検知した ら、SUB MOTORの回転を停止し、メインモーター を回転させてPLAY動作に入る。

C. PROG

- With the PROG KEY SW ON, the SUB MOTOR rotates, and the mode lever moves to next PLAY position (NORMAL→REVERSE PLAY or REVERSE→NORMAL PLAY).
- When the mode switch detects the next PLAY position, the SUB MOTOR rotation stops, and operation shifts to the PLAY.

C. PROG

- PROG KEY SW ONにより、SUB MOTORを回転させ、モードレバーを次のPLAY位置(NORMAL→RE-VERSE PLAY又は、REVERSE→NORMAL PLAY) に移動させる。
- 2. モードSWが次のPLAY位置を検知したらSUB MO-TORの回転を停止し、PLAYに移行する。

D. FF/REW (QUE/REVIEW)

- With KEY ON, rotation of the main motor stops and the SUB MOTOR rotates to bring the mode lever to the specified position.
- When the specified position is detected by counting ON/OFF number of the mode SW, the SUB MOTOR rotation stops, and the main motor rotates to perform tape fast winding operation.

(According to the stop position of the mode lever, all of head position retreat, playback engagement releasing, pinch roller retreat, and FF gear engagement are kept.)

D. FF/REW (QUE/REVIEW)

- KEY ONによりメインモーターの回転を停止し、 SUB MOTORを回転させモードレバーを所定の位置 に移動させる。
- 2. モードSWのON/OFF回数をカウントし、所定の位置を検知したらSUB MOTORの回転を停止し、メインモーターを回転させ、TAPE早送り動作を行う。(モードレバーの停止位置により、ヘッド位置後退、プレイ噛み合い切り離し、ピンチローラー後退、早送り歯車の噛み合いは、全て維持される。)

E. EJECT

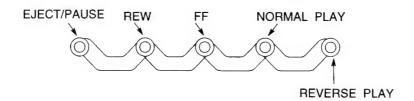
- With KEY ON, main motor rotation stops and SUB MOTOR rotates, thereby moving the mode lever to the EJECT/PAUSE position.
- When the PAUSE SW turns on with the mode lever moved, the SUB MOTOR rotation stops, the main motor rotates to perform take up operations for both the reels.
- When beginning of the reel slip is detected with tape slack eliminated, the main motor rotation stops and the sub motor rotates to move the EJECT lever in the eject direction.
- When the PACK IN SW goes from OFF to ON, the SUB MOTOR rotation stops and the EJECT operation completes.

E. EJECT

- 1. KEY ONにより、メインモーターの回転を停止すると 共に、SUB MOTORを回転させ、モードレバーを EJECT/PAUSE位置に移動させる。
- 2. モードレバーの移動は、PAUSE SWがONした所で SUB MOTORの回転を停止しメインモーターを回転 させ両リールの巻き取り動作を行う。
- 3. テープタルミが無くなり、リールスリップが始まったことを、検知したらメインモーターの回転を停止し、SUB MOTORを回転させてEJECTレバーを排出方向に移動させる。
- 4. PACK IN SWがOFF→ONに切り換わったらSUB MOTORの回転を停止させEJECT完了となる。

Mode lever position

モードレバー位置



Mechanism operations are determined by positions of the mode lever shown above. メカの動作は上記モードレバーの位置で決まる。

Operations of MODE SW and PAUSE SW

MODE SW、 PAUSE SWの動作

REV. PLAY

Mechanism oper メカ動作の移行	ation shift	MODE SW	PAUSE SW
Loading	→Play	4	2
	FF		
	REW		
Play	→FF	3	0
	REW	2	0
	PROG	1	0
	EJECT	4	1 (OFF→ON)
FF	→Play	3	0
	REW	1	0
	PROG		
	EJECT	1	1 (OFF→ON)
			4
REW	→Play	2	0
	FF	1	0
	PROG		
	EJECT	2	1 (OFF→ON)

ON→OFF number of above switches 上記SWのON→OFF回数

FOR. PLAY

Mechanism opera メカ動作の移行	ation shift	MODE SW	PAUSE SW	
Loading	→Play	3	2	
	FF			
	REW			
Play	→FF	1	0	
	REW	2	0	
	PROG	1	0	
	EJECT	3	1 (OFF→ON)	
FF	→Play	1	0	
	REW	1	0	
	PROG			
	EJECT	2	1 (OFF→ON)	
REW	→Play	2	0	
	FF	1	0	
	PROG			
	EJECT	1	1 (OFF→ON)	

ON→OFF number of above switches 上記SWのON→OFF回数

Mechanism basic operation timing chart

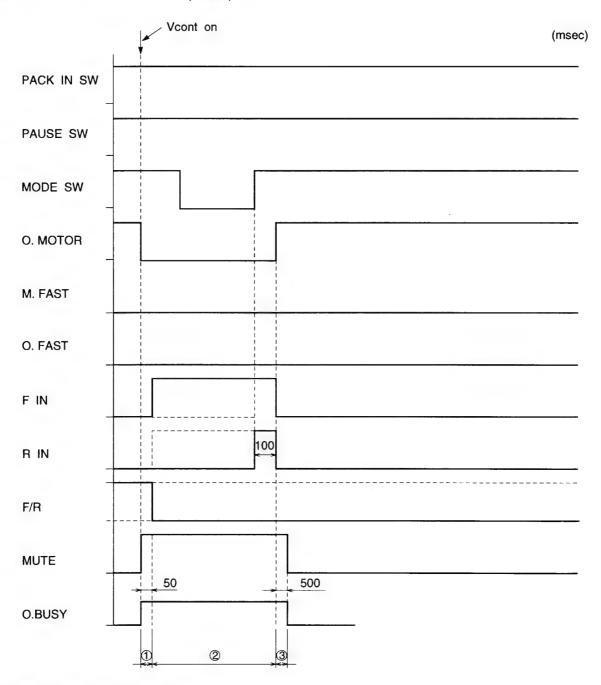
メカニズム基本動作タイミングチャート

Shift MODE

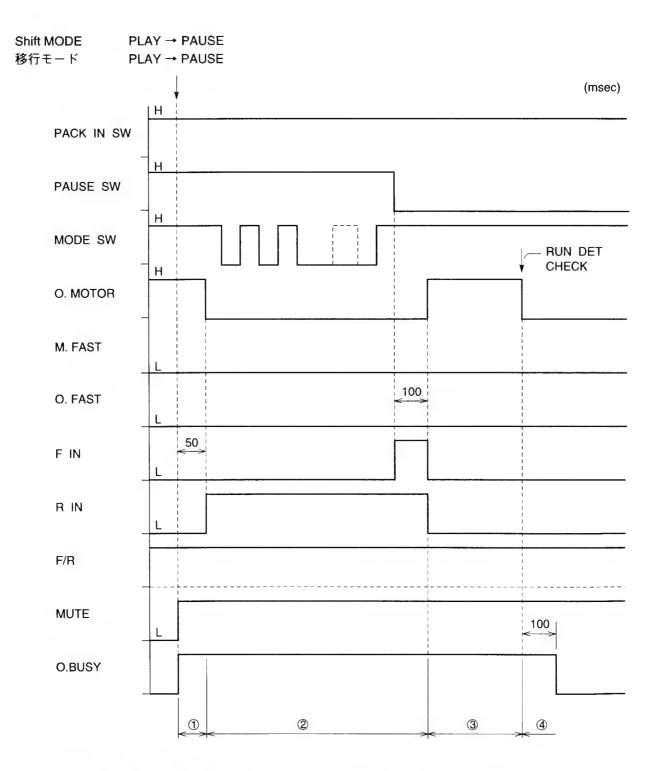
PLAY → PLAY (PROG)

移行モード

PLAY → PLAY (PROG)



- ① Tape wind stop: Main motor stops.
- Mode lever shift: SUB MOTOR rotates, mode lever moves to a specified position and stops.
- 3 Mode determination: Muting until operation reaches a stable status.
- ① TAPE巻取り停止:MAIN MOTORを停止させる。
- ② MODE LEVER移動: SUB MOTORを回しMODE LEVERを目的の位置まで移動させ停止させる。
- ③ MODE確定:動作安定までMUTE。



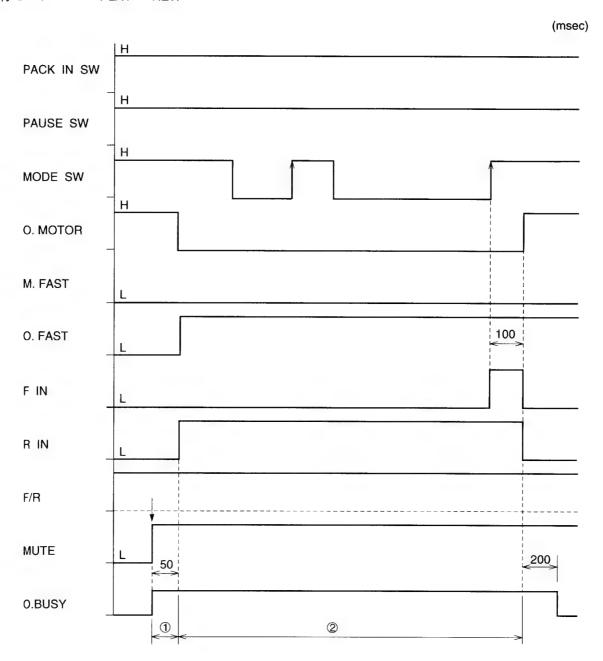
- ① Tape wind stop: Main motor stops.
- Mode lever shift: Sub motor rotates, mode lever moves to a specified position and stops.
- ③ Removal of tape slack: Both reel rotate in winding direction and eliminate tape slack.
- Reel stop: Main motor stops when run det pulse reaches a specified value.
- ① TAPE巻取り停止: MAIN MOTOR停止
- ② MODE LEVER移動:SUB MOTORを回し、MODE LEVERを目的の位置まで移動させ停止させる。
- ③ TAPE弛み取り:両リールを巻取方向へ回転させ、TAPEの弛みを無くす。
- ④ リール停止: RUNDET PULSが設定値に達したらMAIN MOTORを停止させる。

Shift MODE

PLAY → REW

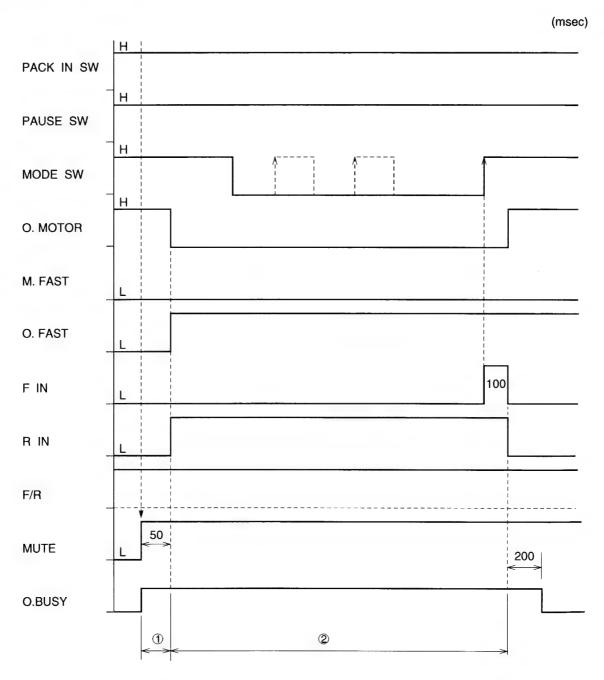
移行モード

PLAY → REW



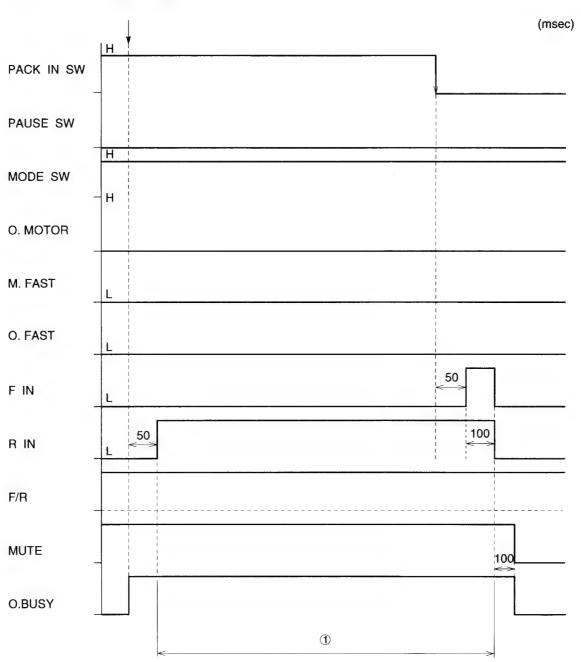
- ① Tape wind stop: Main motor stops.
- 2 Mode lever shift: Sub motor rotates and mode lever moves to a specified position and stops.
- ① TAPE巻取り停止: MAIN MOTOR停止
- ② MODE LEVER移動:SUB MOTORを回しMODE LEVERを目的の位置まで移動させ停止させる。

Shift MODE PLAY → FF 移行モード PLAY → FF



- ① Tape wind stop: Main motor stops.
- ② Mode lever shift: Sub motor rotates and mode lever moves to a specified position and stops.
- ① TAPE巻取り停止: MAIN MOTOR停止
- ② MODE LEVER移動:SUB MOTORを回しMODE LEVERを目的の位置まで移動させ停止させる。

Shift MODE PAUSE → EJECT 移行モード PAUSE → EJECT



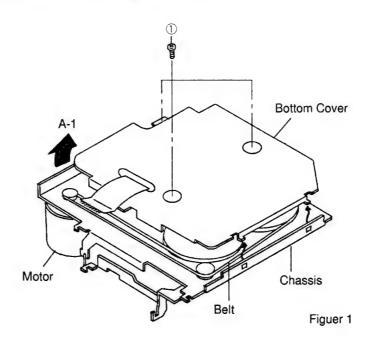
- Cassette pack eject: Rotates sub motor and lifts up the cassette holder.
 Rotates the sub motor further to move slider forward and ejects the pack.
- ① カセットパック排出: SUB MOTORを回しCASSETTE HOLDERをリフトさせる。 さらにSUB MOTORを回しスライダーを手前に移動させPACKを排出させる。

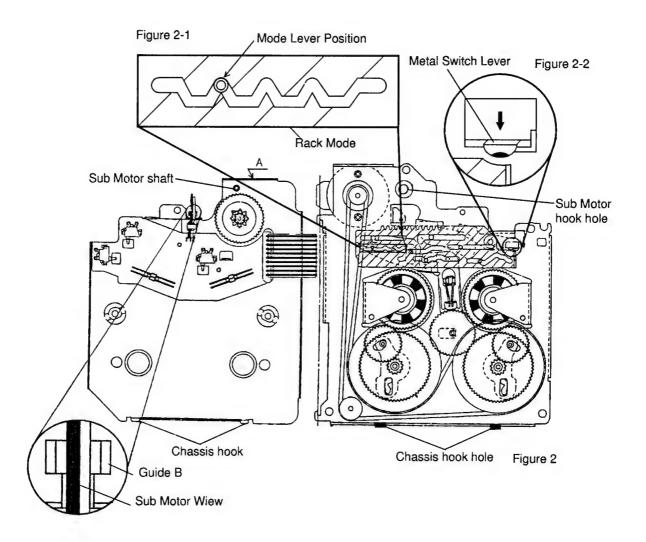
Disassembly, Assembly and Replacement of Functional Parts 機能部品の分解・組立及び交換方法

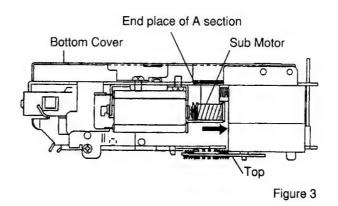
- 1. Disassembly and Assembly of Bottom Cover
 - (1) Turn the mechanism around as shown in Figure 1.
 - (2) Remove three screws ① as shown in Figure 1.
 - (3) Lift the bottom cover slowly from the position A-1, pull the hooks out of the holes in the chassis, and remove the bottom cover as shown in Figure 1.
 - (4) Set the mechanism to pack down status and place the mode lever to the position shown in Figure 2-1.
 - (5) Press the metal switch lever in direction shown by the arrow (refer to Figure 2-2), insert the pinion sub motor shaft to the pinion sub motor hook hole, and insert the chassis engagement claws into the chassis engagement holes. (Check to see the sub motor wire is placed in the normal guide position of B section.)
 - (6) Rotate the pinion sub motor counterclockwise after insertion of the bottom cover, and check to see the end place of A section in Figure 2 is closely touched. (refer to Figure 3)
 - (7) Fix the screws that have been removed.
 - NOTE: ① When fixing the bottom cover, be careful to avoid damage by the belt.
 - ② Fasten the three screws with a fastening torque of 6 kg.cm.

1. ボトムカバーの分解方法及び組立方法

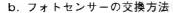
- (1) メカを裏返しにします。(図1参照)
- (2) 3本のネジ①を外します。(図1参照)
- (3) A-1部からボトムカバーをゆっくりと浮かし、切り起こしの嵌合部を外し、分解します。(図1参照)
- (4)組立時は、メカをパックDOWN状態にして、モードレバーの位置を図2-1の位置に合わせます。
- (5) メタルSWレバーを矢印方向(図2-2参照)に押し、SUBMOTOR嵌合軸をSUBMOTOR軸嵌合穴に挿入し、シャーシー嵌合ツメをシャーシー嵌合穴に挿入します。←ボトムカバー仮装着完了。 (この時、サブモーターワイヤーがB部正規ガイド位置にあること)
- (6) ボトムカバー仮装着後SUB M OTORを左回りに回し、図2A部端面がシャーシと密着したことを確認します。 (図3参照)
- (7) 分解時に外したネジを止めます。
 - [注意] ① 組立時、ベルトに傷を付けない様に注意して下さい。
 - ②3本のネジは6kgcmのトルクで締め付けて下さい。



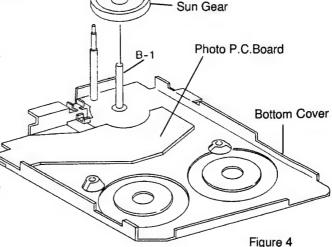




- 2. Replacement of the bottom cover mounting parts
- 2. ボトムカバーの取付部品の交換方法
- a. Replacement of the inner gear/planet gear/sun gear
- (1) Remove M1.2 lock washer ② as shown in Figure 4.
- (2) Pull the eject pinion out of the inner gear and remove the inner gear, eject base pinion and sun gear as shown in Figure 4.
- (3) Turn the eject base pinion, remove the three planet gear as shown in Figure 4.
- (4) Apply the grease (PG-671) to the section B-1, and mount the inner gear/planet gear/sun gear following the removal steps in the reverse order. After replacement is smoothly. (Refer to Figure 6.)
 - NOTE: 1) Do not reuse the used lock washer for remounting.
 - 2 Take care to avoid damage by piercing and tearing.
 - ③ Do not forget insertion of planet gears. Check number of the gears also.
- a. インナーギア/プラネットギア/サンギアの交換方法
- (1) ロックワッシャー② (M1.2) を外します。(図4参照)
- (2) イジェクトピニオンをインナーギアより引き抜き、インナーギア/イジェクトベースピニオン/サンギアの順に外します。(図4参照)
- (3) イジェクトベースピニオンを裏返しにしてプラネットギア (3個) を外します。(図4参照)
- (4) B-1部分にグリス (PG-671) を塗布し、取り外しの逆の手順で組み立てて下さい。尚交換後、ギアの回転がスムーズであるか確認して下さい。(図6参照)
 - [注意] ① 一度使用したロックワッシャーは組立時には使用しないで下さい。
 - ② 口開き、めくれのない様に注意して下さい。
 - ③ プラネットギアの挿入忘れ、不足のないこと。
- b. Replacement of the photo sensor
- (1) Remove eight solders 21 as shown in Figure 5.
- (2) Remove the photo sensor from the photo P.C.Board as shown in Figure 5.
- (3) Solder the legs so that the photo sensor is set as indicated by [__] in Figure 5.
 - NOTE: ① When using the soldering iron, set the temperature of the soldering iron to 270° ±20°C and the soldering time to less than 3 seconds.
 - ② Take care that the solder is not loose, that there is no shortcircuit and that the coating is not damage.



- (1)8ケ所の半田21を外し、フォトセンサーをフォト 基板より外します。(図5参照)
- (2) 良品のフォトセンサーを図中の[__]と同じ方向になる様に半田付けします。(図5参照)
 - [注意] ① 半田ゴテを使用する際、 半田ゴテ先温度270° ±20℃、 半田付け時間3秒以下とする。
 - ② ルーズ半田、ショート等のない こと。又、皮膜破れに注意すること。



Eject pinion

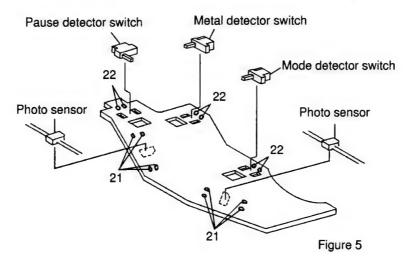
Inner Gear

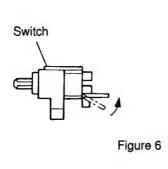
Eject base pinion

Planet Gear

- c. Replacement of the detector switch (Pause/Metal/Mode)
- (1) Remove six solders 22 with which the switch is fixed as shown in Figure 5.
- (2) Prepare the terminals of the switch of the new one as shown in Figure 6.
- (3) After that, insert the switch into the photo P.C.Board, and solder the terminals.
 - NOTE: ① When using the soldering iron, refer to item 2-b to make sure that the temperature of the soldering iron and the soldering time are proper.
 - ② Take care that the switch guide is properly fixed and straight.
- c. 検出スイッチ(ポーズ・メタル・モード)の交換方法
- (1) スイッチを止めている6ケ所の半田22をそれぞれ 外します。(図5参照)
- (2) 良品のスイッチの端子を水平に直します。(図6参照)
- (3) フォト基板に差し込み、端子を半田付けします。
 - [注意] ① 項目2-bと同様に半田ゴテのコテ先温度、 半田付け時間に注意すること。
 - ②スイッチの浮き及び傾きがない様にすること。

- 3. Replacement of the mounting parts on the rear of the main chassis
- 3. メインシャーシー裏側取付部品の交換方法
- a. Replacement of the belt
- After removing the bottom cover, remove the belt.
- (2) Clean the new belt with absolute alcohol, and fix it as shown in Figure 7.
 - NOTE: ① When fixing the belt, make sure that is not twisted or dirty.
 - ② When removing the belt, do not turn up the front of chassis.
- a. ベルトの交換方法
- (1) ボトムカバーを外した後、ベルトを取り外します。
- (2) 良品のベルトを無水アルコールでクリーニング してから掛けます。(7図参照)
 - [注意] ① 取り付け時、ねじれ及び汚れがない 様にすること。
 - ② ベルトを取り外した時、シャーシー を表側にしないこと。





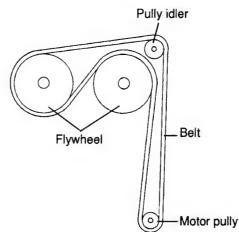
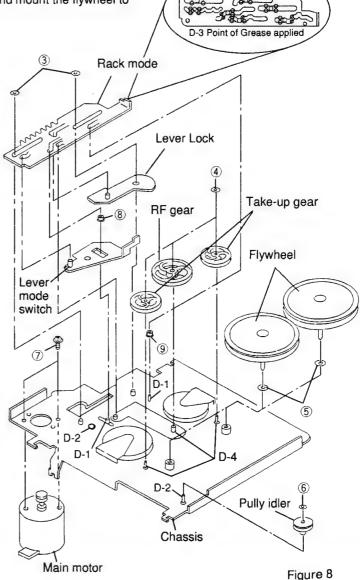


Figure 7

- b. Replacement of the main motor
- (1) After removing the belt, remove solder @-1, and remove the wire flat (2P) from the control P.C.Board as shown in Figure 10.
- (2) Remove two screws ⑦, and remove the main motor as shown in Figure 8.
- (3) Mount the new motor following the removal steps in the reverse order.
 - NOTE: ① When using the soldering iron, set the temperature of the soldering iron to 320° ±20°C and the soldering time to less than 3 seconds.
 - ② Since the wire flat is very easily damaged, handle it with care.
 - 3 Fasten the two screws with a fastening torque of 2kg.cm.
- b. メインモーターの交換方法
- (1) ベルトを外した後、半田⑫-1を外し、ワイヤーフラット(2P)をコントロール基板より外します。(図10参照)
- (2) 2本のネジ⑦を外し、メインモーターを外します。(図8参照)
- (3) 良品のメインモーターを取り外し方法の逆の手順で組み立てます。
 - [注意] ① 半田ゴテを使用する際、半田ゴテ先温度320° ±30℃、半田付け時間3秒以下とする。
 - ② ワイヤーフラットは損傷し易いので取扱いには十分注意すること。
 - ③2本のネジは2kgcmのトルクで締め付けること。
- c. Replacement of the flywheel
- (1) After removing the belt, pull out the two flywheels. Take care not to loose the polyslider washer (5) located between the flywheel and the chassis. (Refer to Figure 8)

(2) Fix the polyslider washer to the new flywheel and mount the flywheel to chassis.

- c. フライホイールの交換方法
- (1) ベルトを外した後、2個のフライホイールを 引き抜きます。この時フライホイールと シャーシーの間にそれぞれ1個のポリ スライダーワッシャー⑤がありますので 紛失しない様に注意して下さい。(図8参照)
- (2) 良品のフライホイールにポリスライダー ワッシャーを取り付け、シャーシに取り付け ます。
- d. Replacement of the rack mode
- (1) Remove M1.7 lock washer ③, and remove the rack mode as shown in Figure 8.
- (2) Apply the molykote G paste to the section D-3, and mount the rack mode following the removal steps in the reverse order. (Refer to Figure 8)
 - NOTE: ① Check to see the rack mode can move left to right in its full stroke.
 - ② Do not reuse the used lock washer for remounting.
 - ③ Take care to avoid damage by piercing and tearing.
- d. ラックモードの交換方法
- (1) 2個のロックワッシャー③(M1.7)を外し、 シャーシーより引き抜き、ラックモードを 外します。(図8参照)
- (2) 良品のラックモードのD-3部分にモリコート Gペーストを塗布し、取り外しの逆の手順で 取り付けます。
 - [注意] ① ラックモードは左右に全スト ローク動作することを確認する。
 - ② 一度使用したロックワッシャーは 組立時には使用しないで下さい。
 - ③ ロックワッシャー取り付け時、 口開き、めくれのない様に注意 すること。



- e. Replacement of the lever lock/lever mode switch/roller mode
- (1) After removing the rack mode, remove the lever lock and lever mode switch. (Refer to Figure 8)
- (2) Pull it up from the stud and remove the two roller mode (8), (9) as shown in Figure 8.
- (3) Apply the molykote G paste to the section D-1, the grease (PG-671) to the section D-2 and mount the roller mode/lever mode switch/lever lock following the removal steps in the reverse order.

NOTE: ① Check to see the roller mode is inserted without fail.

- e. レパーロック/レパーモードスイッチ/ ローラーモードの交換方法
- (1) ラックモードを外した後、レバーロック、 レバーモードスイッチの順に引き抜きます。 (図8参照)
- (2) 2個のローラ-モード®、⑨をスタットより 引き抜きます。(図8参照)
- (3) D-1部分にモリコートGペースト、D-2部分 にグリス (PG-671) を塗布し、取り外し方 の逆の手順で取り付けます。

[注意] ① ローラーモードの挿入忘れがないこと。

- f. Replacement of gears
- f-1 Replacement of the RF gear
- (1) Remove M1.2 lock washer (4), pull it up from the stud and remove the gear as shown in Figure 8.
- (2) Mount it, following the removal steps in the reverse order.

f-1 RFギアの交換方法

- (1) ロックワッシャー④ (M1.2) を外し、スタット より引き抜きギアを外します。(図8参照)
- (2) 取り外し方の逆の手順で取り付けます。

f-2 Replacement of the take-up gear

- (1) Remove M1.2 lock washer 4, pull it up from the stud and remove the gear as shown in Figure 8.
- (2) Mount it, following the removal steps in the reverse order.

NOTES on f-1 and f-2:

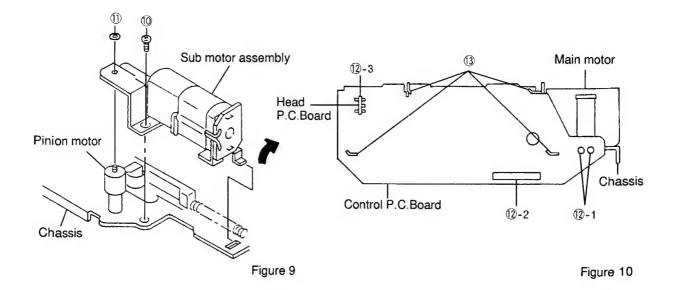
- ① Do not reuse the used lock washer for remounting.
- ② Take care to avoid damage by piercing and tearing.

f-2 テイクアップギアの交換方法

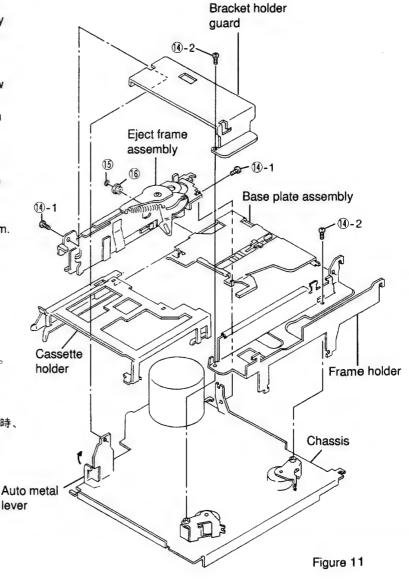
- (1) 2個のロックワッシャー④ (M1.2) を外し、 スタットより引き抜きギアを外します。(図8参照)
- (2) 取り外し方の逆の手順で取り付けます。

[f1, f2の注意]

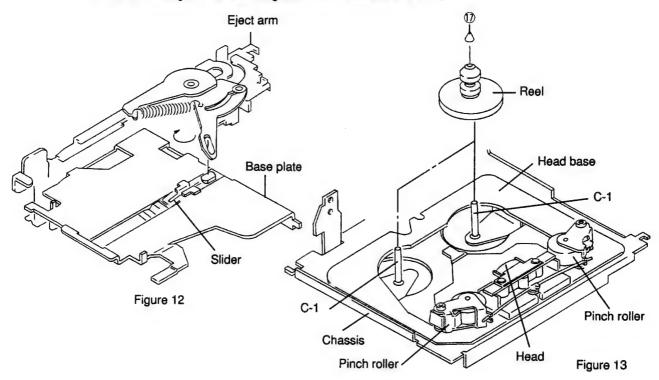
- ① 一度使用したロックワッシャーは 組立時には使用しないで下さい。
- ② ロックワッシャー取り付け時、口開き、 めくれのない様に注意すること。



- 4. Replacement of the parts mounted on the front of the main chassis
- 4. メインシャーシ表側部品の交換方法
- a. Replacement of the control P.C.Board
- (1) Remove four solders ② and remove the head P.C.Board and the two wire flat as shown in Figure 10.
- (2) Remove four claws (3) and remove the P.C.Board as shown in Figure 10.
- (3) After replacing the old P.C.Board with a new one, mount it following the removal steps in the reverse order.
 - NOTE: ① Since the wire flat is very easily damaged, handle it with care.
 - ② When using the soldering iron, set the temperature of the soldering iron to 320° ±30°C and the soldering time to less than 3 seconds, but solder point ℚ-3 to less than 1 second.
 - 3 Take care that the solder is not loose, that there is no shortcircuit and that the coating is not damage.
- a. コントロール基板の交換方法
- (1) 4ケ所の半田⑫を外し、ヘッド基板と2本のワイヤーフラット (2P)、(10P) をそれぞれ外します。(図10参照)
- (2) 4ケ所のツメ(3)を外し、コントロール基板を外します。(図10参照)
- (3) 良品のコントロール基板と交換後、取り外し方の逆の手順で基板を取り付けます。
 - [注意] ① ワイヤーフラットは損傷し易いので取扱いには十分注意すること。
 - ② 半田ゴテを使用する際、半田ゴテ先温度320° ±30℃、半田付け時間3秒以下とする。 但し、⑫-3は1秒以下とする。
 - ③ルーズ半田、ショート等のないこと。
- b. Replacement of the sub motor assembly
- (1) Remove M1.2 lock washer ① and one screw ① as shown in Figure 9.
- (2) Remove the sub motor assembly by pulling it up in the direction of the arrow as shown in Figure 9.
- (3) Mount it, following the removal steps in the reverse order.
 - NOTE: ① Do not reuse the used lock washer for remounting.
 - ② Take care to avoid damage by piercing and tearing.
 - 3 Fasten the one screw with a fastening torque of 6kg.cm.
- b. サブモーター組立の交換方法
- (1) ロックワッシャー① (M1.2) と1本の ネジ⑩を外します。(図9参照)
- (2) 図中の矢印の方向へ持ち上げながら サブモーター組立を外します。(図9参照)
- (3) 取り外し方の逆の手順で取り付けます。
 - [注意] ① 一度使用したロック ワッシャーは組立時には 使用しないで下さい。
 - ② ロックワッシャー取り付け時、 口開き、めくれのない様に 注意すること。
 - ③ ネジは6kgcmのトルクで 締め付けること。

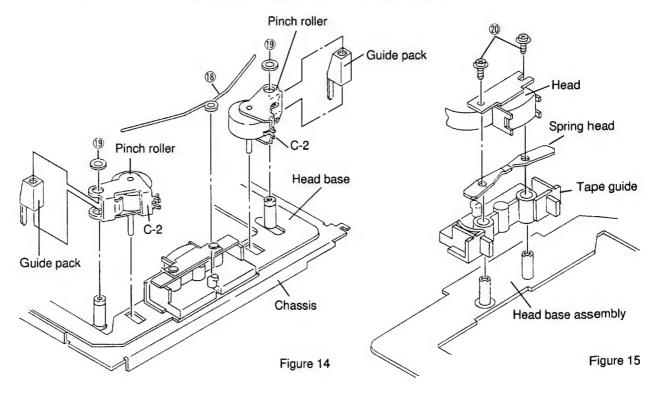


- c. Disassembly and assembly of the cassette holder
- (1) Remove four screws (1) and remove the eject frame assembly and the frame holder as shown in Figure 11.
- (2) Remove M1.2 lock washer (3) and plate base roller (6) and remove the cassette holder and the base plate assembly as shown in Figure 11.
- (3) Remount them following the removal steps in the reverse order.
 - NOTE: ① When mounting the cassette holder and the base plate, insert the slider shaft into the eject arm and fix them turning the slider shaft in the direction indicated by the arrow in the figure. Make sure that the cassette holder and the base plate are in the cassette-in mode during this operation. (Refer to Figure 12)
 - When mounting the eject frame assembly, push the auto metal lever in the direction indicated by the arrow in the Figure 11.
 - ③ When mounting the base plate assembly and the eject frame assembly, or when mounting the eject frame assembly to the chassis, do not apply excessive force to avoid deformations of the eject arm and the frame.
 - ② Do not reuse the used washers. Take care to avoid damage by piercing and tearing.
 - ⑤ Fasten the two screws ⑩-1 with a fastening torque of 6kg.cm. and the two screws ⑪-2 with a fastening torque of 1.5kg.cm.
- c. カセットホルダーの分解方法及び組立方法
- (1) 4本のネジ()を外し、イジェクトフレーム組立及びフレームホルダーを外します。(図11参照)
- (2) ロックワッシャー \mathfrak{D} (M1.2) とプレートベースローラー \mathfrak{D} を外し、カセットホルダーとベースプレート組立を外します。(図11参照)
- (3) 分解方法と逆の手順で取り付けます。
 - [注意] ① カセットホルダーとベースプレート組立を組み立てる際、スライダーのシャフトをイジェクト アームに挿入し、図の様に矢印方向に回しながら取り付けます。この時カセットホルダーとベース プレートはカセットインの状態で行うこと。(図12参照)
 - ② イジェクトフレーム組立をシャーシーに取り付ける際、オートメタルレバーを図の様に矢印方向に押して下さい。(図11参照)
 - ③ ベースプレート組立とイジェクトフレーム組立を取り付ける際、又、シャーシーとイジェクトフレーム組立を取り付ける際は、必要以上の力を加えないで下さい。(イジェクトアーム、フレームの変形防止の為)
 - ④ 一度使用したワッシャーは、使用しないこと。又、口開き、めくれのないこと。
 - ⑤ ネジ®-1は6kgcm、®-2は1.5kgcmのトルクで締め付けること。



- d. Replacement of the reels
- (1) Remove two reel cap ① as shown in Figure 13.
- (2) After replacement, apply the grease (PG-671) to the section C-1, and mount the new reels following the removal steps in the reverse order.
- (3) After mounting, check the tape speed and the wow & flutter with test tape MTT-111N.

 NOTE: ① Since the reel is easily loosened if the cap is gripped, always handle it gripping, the gear.
- d. リールの交換方法
- (1) 2個のリールキャップ①をそれぞれ外します。(図13参照)
- (2) 良品のリールと交換後C-1部分にグリス(PG-671)を塗布し、取り外し方の逆の手順で取り付けます。
- (3) 取り付け後、必ずテストテープ (MTT-111N) でテープスピード・ワウフラッターの確認をすること。 [注意] ① リールの取り外し、取り付けの際、キャップをつかむと外れ易いので必ずギア部をつかんで 行って下さい。
- e. Replacement of the pinch rollers
- (1) Remove pinch roller spring (8) as shown in Figure 14.
- (2) Remove M3.1 two lock washers (9) and remove the pinch roller and guide pack as shown in Figure 14.
- (3) Mount the pinch rollers following the removal steps in the reverse order. Apply the molykote G paste to the section C-2 as shown in Figure 14.
 - NOTE: ① Make sure that the pinch rollers are thoroughly fixed and that they are not deformed.
 - ② Do not reuse the used lock washers for remounting.
 - 3 Take care to avoid damage by piercing and tearing.
- e. ピンチローラーの交換方法
- (1) ピンチローラースプリング®を外します。(図14参照)
- (2) 2個のロックワッシャー(9) (M3.1) をそれぞれ外し、ガイドパックと一緒にピンチローラーを外します。 (図14参照)
- (3) C-2部分にモリコートGペーストを塗布し、取り外し方の逆の手順で取り付けます。
 - [注意] ① ピンチローラーの半掛け、変形のないこと。
 - ②一度使用したロックワッシャーは組立時には使用しないで下さい。
 - ③ ロックワッシャー取り付け時、口開き、めくれのない様に注意すること。

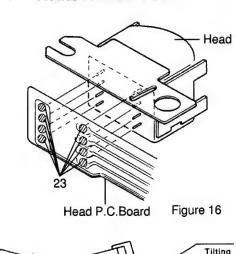


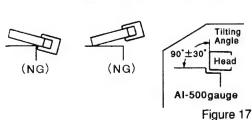
f. Replacement of the head

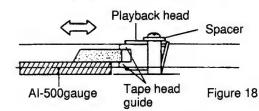
- (1) After removing the pinch roller spring, remove two screws @ as shown in Figure 15.
- (2) Remove solder 23 and remove the head from the head P.C.Board as shown in Figure 16.
- (3) After replacement, mount the new head following the removal steps in the reverse order.
- NOTE : ① When using the soldering iron, set the temperature of the soldering iron to270° ±20℃ and the soldering time to less than 1 second.
 - ② Take care that the solder is not loose, that there is no shortcircuit and that the coating is not damage.
 - 3 Do not bring the soldering iron near the head P.C.Board. Make sure that the head P.C.Board is not lifted.
 - 4 Fasten the two screws with a fastening torque 1kg.cm. Note that the tension of the head spring can be descreased if the screws are fastened too strongly.
- (4) Adjust the height of the head as shown in Figure 17, 18 and 19.
 - (4) -1 Place the height adjustment gauge(Al-500) on the head base, and adjust the height so that the check bar fits in the tape head guide smoothly.
 - (4) -2 When the check bar touches the top (or bottom) of the tape guide, insert a spacer (t0.1mm or polyslider washer t0.13mm). If necessary, remove the spacer.
- NOTE: ① If you do not have a height gauge like described in (4)-1, run the tape at normal speed and adjust the height of the head and the tape head guide so that the tape does not curl.
- (5) After having assembled the complete mechanism, adjust the angle of the head with test tape MTT-114NB. (Refer to chapter "Adjustment of the head angle".) After the adjustment, apply the screw lock and fix the screws.

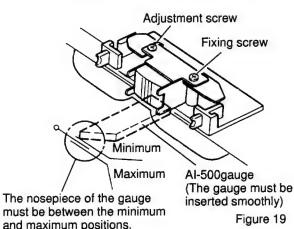
f. ヘッドの交換方法

- (1) ピンチローラースプリングを外した後、2本のネジ⑩を外します。(図15参照)
- (2) 半田23を外し、ヘッド基板からヘッドを取り外します。(図16参照)
- (3) 良品のヘッドと交換後、取り外し方の逆の手順で取り付けます。
- [注意] ① 半田ゴテを使用する際、半田ゴテ先温度270° ±20℃、半田付け時間1秒以下とする。
 - ② ルーズ半田、ショート等のないこと。
 - ③ ヘッド基板には、コテ先を当てないこと。又、ヘッド基板に浮きがない様注意すること。
 - ④ 2本のネジは1kgcmのトルクで締め付けること。但し、ネジを締め過ぎるとヘッドバネがヘタり、バネ性がなくなるので注意すること。
- (4) ヘッド高さ調整を行います。(図17、18、19参照)
 - (4) -1 高さゲージ (AI-500) をヘッドベースにのせ、チェック・パーがテープヘッドガイドにスムーズに 入る高さに合わせます。
 - (4) -2 テープガイドの上(又は下)にチェック・パーが当たる時は、スペーサー(t0.1mm又はポリスライダーワッシャーt0.13mm)を一枚入れます。又は、スペーサーを外すことによって当りをなくす様にします。
 - [注意] ① (4) -1の様に高さゲージがない場合は、テープを通常走行させ、テープカーリングが生じなくなる様に高さ(ヘッド及びテープヘッドガイド)を調整します。
- (5) 最終的な1台のメカと言う状態に組み上げた後、テストテープ(MTT-114NB)でヘッドの角度を調整します。 (ヘッド角度調整方法の項目を参照して下さい。)調整後、ネジロックを塗布し、ネジを固定します。









MEMO

Exploded View (Cassette Deck Mechanism) 1 3 60 62 65 (47) (74)

Cassette Deck Mechanism Assembly Parts List

Symb	ol Ind	Part No.	Description	Sy	mbol	Index		n parts list are not supplied. Description
No.			١	10.				
7	2	04B41345P32	Washer, Lock (M3.1)	$\neg \vdash$	55	2-B	41A10387W01	Spring, Pinch Roller
- :	3	03S43997P63	Screw, Pan (M1.7 ×4)	ш	56		43A71774W01	Roller, Mode
- 4	4 3-	01A71716W01	Assy., Riv. Select Swing	ш	57		03S44205G30	Screw, Pan (M2.6 ×4)
	5 2-	01A71714W01	Assy., Riv. RF Lever A	11	58	4-D	03A80629W01	Screw, Special (M2.6 ×6)
- (6 2-	01A71715W01	Assy., Riv. RF Lever B	Ш	59	3-D	04B41345P02	Washer, Lock (M1.7)
1.	7 2-	41A71781W01	Spring, RF	Ш	60	2-F	04S40075G05	Washer Dehalider (MO 1)
1			1 9			_		Washer, Polyslider (M2.1)
		03C42723U12	Screw, Cup (M2 ×2.5)	11 •	or 61		04T55449W01 04B41345P13	Washer, Teflon
	1 3 2-	03A80452W01	Screw, F Locks (M2 ×10.7)		01	3-6	04641345F13	Washer, Lock (M1.7)
		3 41A31756W01 3 84T45462W01	Spring, Head Head P.C.Board	Ш	İ			
		0.47054541404	Hand DODaned					
~		84T25151W01 3 44A71747W01	Head P.C.Board Gear, Sun					
- 1	7	44A71748W01	Gear, Planet		L		L	
	8 3-		Gear, Inner		Mic	celle	aneous	
- 1		44A71751W01	Pinion, Eject Base		501		88T75612W01	Head
- [-		_,		502		01V74500W16	Assy., Main Motor (13.2V-55mA
1 2	20 2-	44A71752W01	Pinion, Eject		502		01V84200W63	Assy., Main Motor (6V-90mA)
- 1	21	04B41345P11	Washer, Lock (M1.2)	•	503		01V74500W33	Assy., Sub Motor (7V-370mA)
		3 43A41656W01	Spacer, UHMW-PE		504		51T63433F03	Sensor, Photo ON2170-R2
		30T65174W07	Wire, Flat 10P		304	3-1	01100400F00	Sensor, Thoto ON2170-R2
	26 5-		Holder, Cassette		505	4-F	51T63433F03	Sensor, Photo ON2170-R2
ľ		3,3,1,73,401	Tidel, Casselle		506		40T15222W01	Switch, Detector (PACK IN)
Ι,	27 3-	45A71736W01	Lever, Pack In Switch	- 11	507		40T15382W02	
- 1		43A71775W01	Roller, Plate Base	11	508		40T15382W02	· · · · · · · · · · · · · · · · · · ·
	9	04B41345P01	Washer, Lock (M1.2)	Ш	509		40T15382W02	Switch, Detector (MODE)
	30 4-		Washer, Lock (M1.2)	Ш	309	4-1	401133624402	Switch, Detector (METAL)
		44A71753W01	Rack, GR-S	Ш				
				Ш				
		41A80634W01	Spring, Rack	- 11				
		01A71720W01	Assy., Riv. Eject Arm A	Ш				
- 1		41B63283F11	Spring	Ш				
	36 4-		Assy., Riv. Plate Base					
3	37 3-	3 45B71750W01	Slider					
	88	01A71783W01	Flywheel	Ш			•	
3	39	01A71784W01	Reel					
4	10 3-	01B81372W01	Assy., Pinch Roller					
4	11 3-	01B81372W02	Assy., Pinch Roller					
4	2 3-	44B71726W01	Rack, Mode					
4	5 2-	45B71729W01	Lever, Select					
4	6 3-	45A71737W01	Lever, Mode Switch					
4		E 45A71733W01	Lever, Lock					
14	8 2-	44A71741W01	Gear, Take Up					1
		44A71742W01	Gear, RF					
5	50	43A71743W01	Guide, Pack					
		49A71744W01	Pulley, Idler					
		44A71746W01	Pinion, Motor	11				
		49A71003W01	Reel, Cap	Ш				
- 5	3							

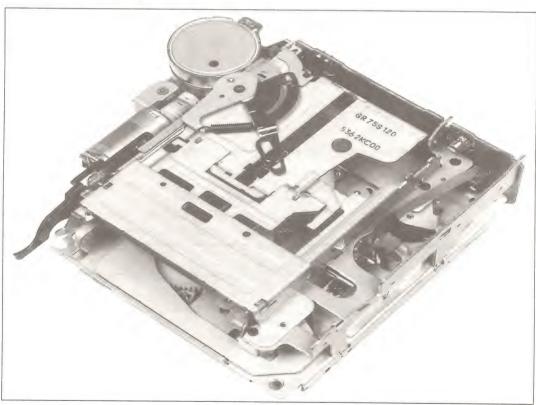
NOTE: O: For GR75S120 Model Only, •: For GR75S130 Model Only, Others: Common.



Cassette Deck Mechanism

ADDENDUM & REVISED

- This manual is described on GR75S310 only. The GR75S310 is developed from GR-S SERIES. For information that is not mentioned in this service manual, refer to the Service Manual GR-S SERIES (68E23241S01).
- 当マニュアルはGR75S310についてのみ記載しております。又、GR-S SERIESがベースモデルとなっておりますので、相違部分のみ記載しております。詳細についてはGR-S SERIES (68E23241S01)を参照願います。



NOTE: Due to continuing product improvement, specifications and designs are subject to change without notice.

Cassette Deck Mechanism Assembly Parts List

NOTE: The parts is not mentioned, refer to the Service Manual • DR-S SERIES (Part No.68E23241S01).

Symbol	Index	Part No.	Description
No.			
4	3-D	01A90342W01	Assy., Riv. Select Swing
5	2-F	01A90340W01	Assy., Riv. RF Lever A
6	2-F	01A90341W01	Assy., Riv. RF Lever B
11	2-A	03A80452W02	Screw, F Locks (M2X10.7)
13	2-B	41A31756W02	Spring, Head
26	5-B	07B40012W02	Holder, Cassette
27	3-C	45A71736W02	Lever, Pack In Switch
34	4-B	01A90346W01	Assy., Riv. Eject Arm (B)
36	4-A	01A90338W01	Assy., Riv. Plate Base
38		01A90350W01	Assy., Flywheel
ļ			
40	3-B	01B30863W01	Assy., Pinch Roller
41	3-B	01B30863W02	Assy., Pinch Roller
42	3-F	44B90318W01	Rack, Mode
1			

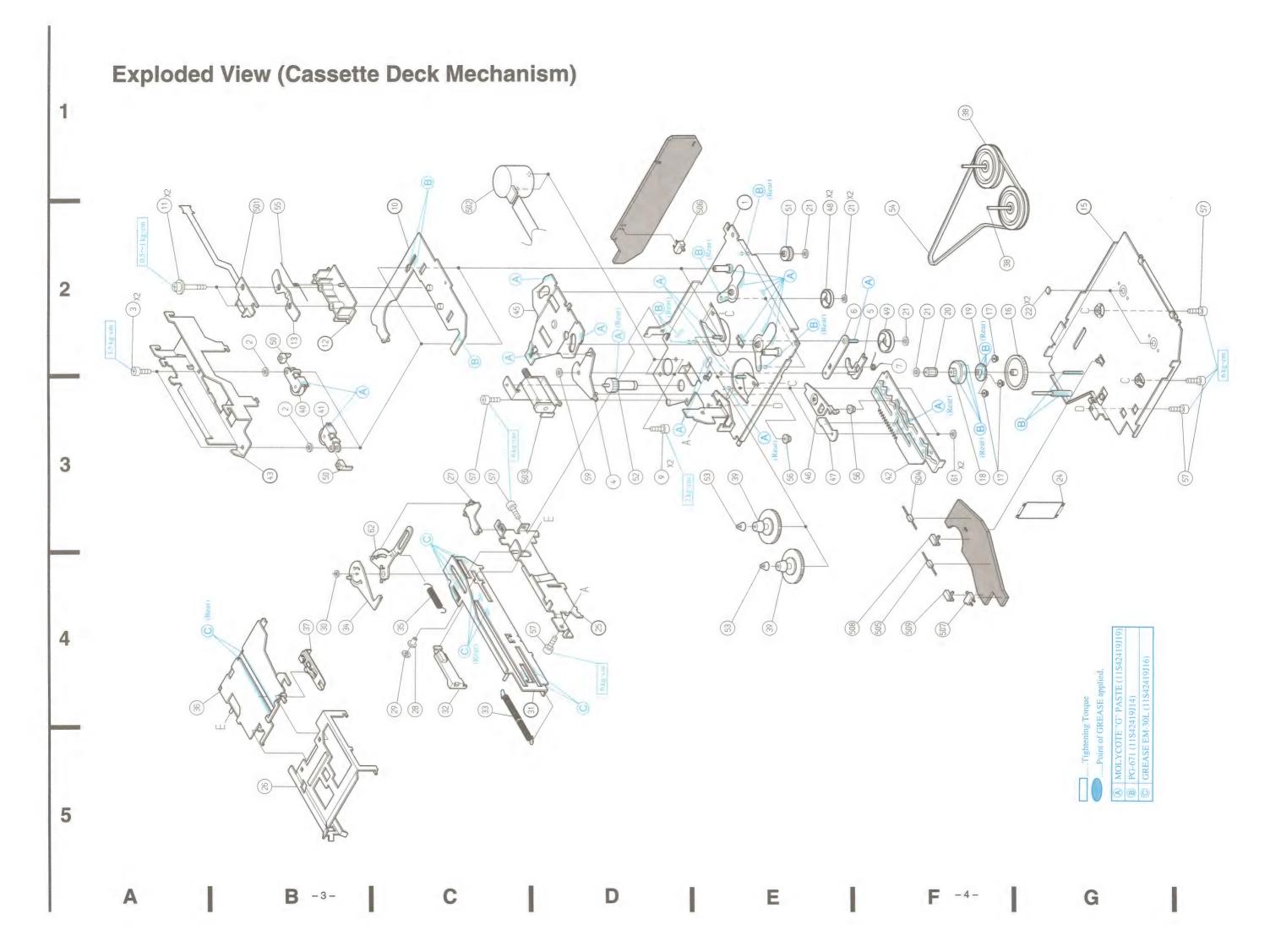
Symbol	Index	Part No.	Description
No.			
45	2-C	45B90320W01	Lever, Select
46	3-E	45A71737W02	Lever, Mode Switch
47	3-E	45A71733W02	Lever, Lock
53		49A81855W01	Reel, Cap
54	2-F	42A71780W02	Belt
55	2-B	41A10387W02	Spring, Pinch Roller
62	3-B	45A90322W01	Lever, Eject Arm A
Mis	cella	aneous	
501			Head
503	3-C	01V91700W81	Assy., Sub Motor (7V-370mA)

カセットデッキメカニズム関係部品表

※ 記載されていない部品については、サービスマニュアル・ GR-S SERIES (68E23241S01) を参照願います。

	索			標準
記号	引	部品番号	部品名	卸価格
4	3-D	01A90342W01	Assy., Riv. Select Swing	_
5	2-F	01A90340W01	Assy., Riv. RF Lever A	_
6	2-F	01A90341W01	Assy., Riv. RF Lever B	
11	2-A	03A80452W02	Screw, F Locks (M2X10.7)	45
13	2-B	41A31756W02	Spring, Head	60
26	5-B	07B40012W02	Holder, Cassette	260
27	3-C	45A71736W02	Lever, Pack In Switch	
34	4-B	01A90346W01	Assy., Riv. Eject Arm (B)	
36	4-A	01A90338W01	Assy., Riv. Plate Base	_
38		01A90350W01	Assy., Flywheel	
40	3-B	01B30863W01	Assy., Pinch Roller	240
41	3-B	01B30863W02	Assy., Pinch Roller	240
42	3-F	44B90318W01	Rack, Mode	_

	索			標準
記号	31	部品番号	部品名	卸価格
45	2-C	45B90320W01	Lever, Select	_
46	3-E	45A71737W02	Lever, Mode Switch	_
47	3-E	45A71733W02	Lever, Lock	l —
53		49A81855W01	Reel, Cap	45
54	2-F	42A71780W02	Belt	
55	2-B	41A10387W02	Spring, Pinch Roller	_
62	3-B	45A90322W01	Lever, Eject Arm A	
70	り他の	の電気部品		
501		88T95215W02	Head	1,210
503	3-C	01V91700W81	Assy., Sub Motor (7V-370mA)	1,440

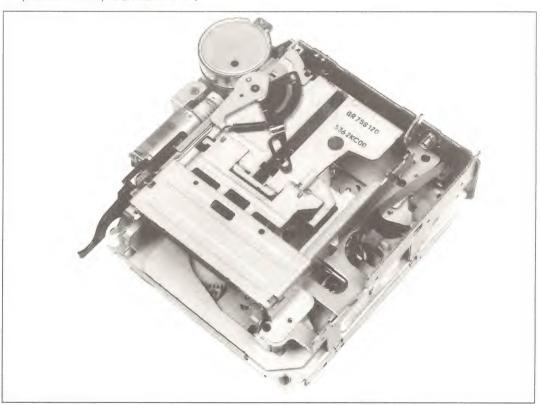




Cassette Deck Mechanism

ADDENDUM & REVISED (II)

- This manual is described on GR75S410/42Y only. The GR75S410/42Y is developed from GR-S SERIES. For information that is not mentioned in this service manual, refer to the Service Manual GR-S SERIES (68E23241S01).
- 当マニュアルはGR75S410/42Yについてのみ記載しております。又、GR-S SERIESがベースモデルとなっておりますので、相違部分のみ記載しております。詳細についてはGR-S SERIES (68E23241S01) を参照願います。





Contents -	
Cassette Deck Mechanism Assembly Parts List Exploded View (Cassette Deck Mechanism)	
Basic Operation of GR-S Mechanism Disassembly, Assembly and Replacement of Function Parts	Refer to the Service Manual • GR-S SERIES (Part No. 68E23241S01).

NOTE: Due to continuing product improvement, specifications and designs are subject to change without notice.

Cassette Deck Mechanism Assembly Parts List

				NC	TE:	No pa	arts number or	parts list are not supplied.
Symbol	Index	Part No.	Description	Syı	mbol	Index	Part No.	Description
No.	1			N	lo.			
2		04B41345P32	Washer, Lock (M3.1)		57		03\$44205G30	Screw, Pan (M2.6X4)
3		03S43997P63	Screw, Pan (M1.7X4)	•	58	4-D	03A80629W01	Screw, Special (M2.6X6)
4	3-D	01A90342W02	Assy., Riv. Select Swing		59	3-D	04B41345P02	Washer, Lock (M1.7)
5	2-F	01A71714W01	Assy., Riv. RF Lever A	١.	60	2-F	04S40075G05	Washer, Polyslider (M2.1)
6	2-E	01A90341W02	Assy., Riv. RF Lever B		or	2-F	04T55449W01	Washer, Polyslider (M2.1)
7	2-F	41A71781W01	Spring, RF		61	3-F	04B41345P23	Washer, Lock (M1.7)
9	3-D	03C42723U12	Screw, Cup (M2X2.5)		62	3-B	45A90322W02	Lever, Eject Arm A
11	2-A	03A80452W02	Screw, F Locks (M2X10.7)					
13	2-B	41A31756W01	Spring, Head					•
16	2-F	44A71747W01	Gear, Sun					
					_			
17		44A71748W01	Gear, Planet		Mis	cella	aneous	
18	3-F	44A71749W01	Gear, Inner	0	501		88T95215W02	Head
19	1	44A71751W01	Pinion, Eject Base		501		88T75612W03	Head
20		44A71752W01	Pinion, Eject		502		01V94900W74	Assy., Main Motor (13.2V-95mA)
21		04B41345P11	Washer, Lock (M1.2)		502		01V74500W16	Assy., Main Motor (13.2V-95mA)
			,	•	503		01V74500W18	Assy., Sub Motor (7V-370mA)
22	2-G	43A41656W01	Spacer, UHMW-PE					(, , , , , , , , , , , , , , , , , , ,
24		30T65174W07	Wire, Flat 10P		504	3-F	51T63433F03	Sensor, Photo ON2170-R2
26		07B71778W01	Holder, Cassette		505		51T63433F03	Sensor, Photo ON2170-R2
27		45A71736W03	Lever, Pack In Switch	1	506		40T15222W01	Switch, Detector (PACK IN)
28		43A71775W01	Roller, Plate Base	ı	507		40T15382W02	Switch, Detector (PAUSE)
-"			Tronci, Trace Base		508		40T15382W02	Switch, Detector (MODE)
29	4-0	04B41345P01	Washer, Lock (M1.2)		300	7 _	701133324402	Owice, Detector (MODE)
30	1	04B41345P15	Washer, Lock (M1.2)		509	1.E	40T15382W02	Switch, Detector (METAL)
32		44A71753W01	Rack, GR-S		303	4-1	401133824402	Switch, Detector (METAL)
33		41A80634W01	Spring, Rack					
34		01A90346W02						
34	4-6	01A90346VV02	Assy., Riv. Eject Arm (B)	ı				
35	4-C	41B63283F11	Spring	ı				
36		01A71712W01	Assy., Riv. Plate Base					
37	1	45B71750W01	Slider					
00	1	01A90350W01	Assy., Flywheel					
38		01A71783W10	Assy., Flywheel					
		0174717001110	Assy., Trywnoor					
39		01A71784W01	Reel					
40	3-B	01B30863W01	Assy., Pinch Roller					
41		01B30863W01	Assy., Pinch Roller					
42		44B71726W01	Rack, Mode					
45		45B90320W02	Lever, Select					
13	1	.00000204402	25.51, 55.550					
46	3-F	45A71737W03	Lever, Mode Switch					1
47		45A71733W03	Lever, Lock					
48		44A71741W01	Gear, Take Up]
49		44A71742W01	Gear, RF					
50	-	43A71743W01	Guide, Pack					
	1	.5,1,1,40,401						
51	2-F	49A71744W01	Pulley, Idler					
52		44A71746W01	Pinion, Motor					
53	ا ّ ا	49A81855W01	Reel, Cap					
54	2-F	42A71780W02	Belt					
55	1	41A10387W02	Spring, Pinch Roller					.
	1		Sp.ing, Final Holler					
56	3-F	43 A 71774W01	Roller, Mode					
	""	.5,0,1,,4,,01						
					L			

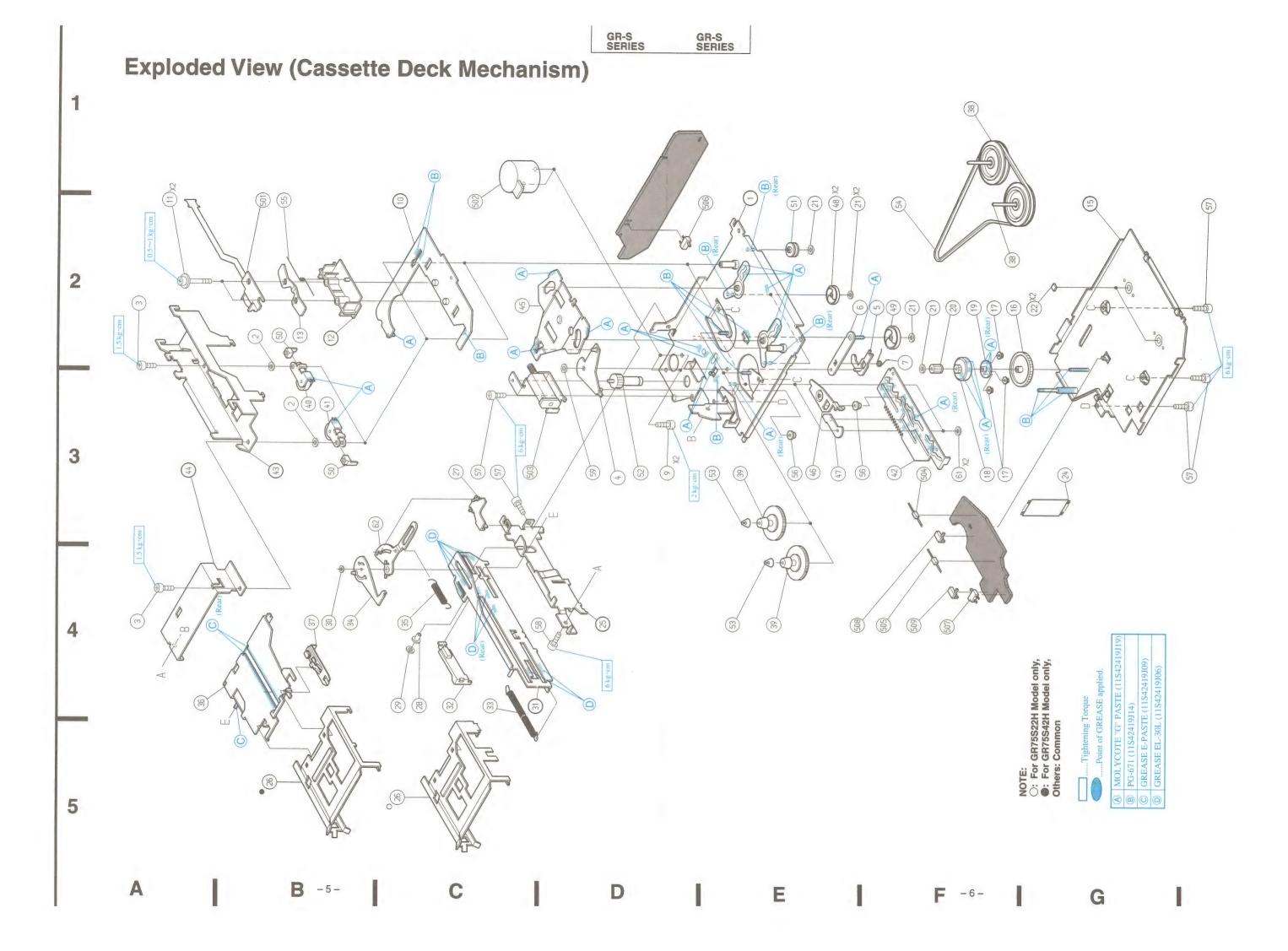
NOTE: O: For GR75S410 Model Only, •: For GR75S42Y Model Only, Others: Common.

カセットデッキメカニズム関係部品表

※ 部品表に記入されていない部品は供給されません。

	索			標準			索			標準
記名	寻 引	HP HH 122 2	部品名	卸価格	青	号	31	部品番号	部品名	卸価格
2		04B41345P32	Washer, Lock (M3.1)	45		56	3-E	43A71774W01	Roller, Mode	50
3		03S43997P63	Screw, Pan (M1.7X4)	45		57		03S44205G30	Screw, Pan (M2.6X4)	45
4	3-0	01A90342W02	Assy., Riv. Select Swing	-	•	58	4-D	03A80629W01	Screw, Special (M2.6X6)	50
5	2-F	01A71714W01	Assy., Riv. RF Lever A	120		59	3-D	04B41345P02	Washer, Lock (M1.7)	45
6	2-E	01A90341W02	Assy., Riv. RF Lever B		•	60	2-F	04S40075G05	Washer, Polyslider (M2.1)	45
					•	or	2-F	04T55449W01	Washer, Polyslider (M2.1)	45
7	2-F	41A71781W01	Spring, RF	45						
9	3-0	03C42723U12	Screw, Cup (M2X2.5)	45		61	3-F	04B41345P23	Washer, Lock (M1.7)	45
11	1 2-A	03A80452W02	Screw, F Locks	45		62	3-B	45A90322W02	Lever, Eject Arm A	_
			(M2X10.7)							
13	3 2-E	41A31756W01	Spring, Head	60	П					
16	6 2-F	44A71747W01	Gear, Sun	50						
17	7	44A71748W01	Gear, Planet	45		70	の他の	の電気部品		
18	3-F	44A71749W01	Gear, Inner		0	501	2-B	88T95215W02	Head	1,210
19	9 2-F	44A71751W01	Pinion, Eject Base	100	•	501	2-B	88T75612W03	Head	1,240
20) 2-F	44A71752W01	Pinion, Eject	90	0	502	2-C	01V94900W74	Assy., Main Motor	1,460
21	1	04B41345P11	Washer, Lock (M1.2)	45					(13.2V-95mA)	
				- 4	•	502	2-C	01V74500W16	Assy., Main Motor	1,480
22	2 2-0	43A41656W01	Spacer, UHMW-PE	45					(13.2V-95mA)	
24	4 3-6	30T65174W07	Wire, Flat 10P	160	H	503	3-C	01V74500W23	Assy., Sub Motor	1,500
26	5 5-E	07B71778W01	Holder, Cassette	240					(7V-370mA)	
27	7 3-C	45A71736W03	Lever, Pack In Switch							
28	3 4-0	43A71775W01	Roller, Plate Base	50		504	3-F	51T63433F03	Sensor, Photo ON2170-R2	310
						505	4-F	51T63433F03	Sensor, Photo ON2170-R2	310
29	9 4-0	04B41345P01	Washer, Lock (M1.2)	45		506	2-D	40T15222W01	Switch, Detector	130
30) 4-E	04B41345P15	Washer, Lock (M1.2)	45	ı				(PACK IN)	
32	2 4-0	44A71753W01	Rack, GR-S	130		507	4-F	40T15382W02	Switch, Detector (PAUSE)	130
33	3 4-0	41A80634W01	Spring, Rack	80		508	4-E	40T15382W02	Switch, Detector (MODE)	130
34	4-E	01A90346W02	Assy., Riv. Eject Arm (B)							
						509	4-F	40T15382W02	Switch, Detector (METAL)	130
35	5 4-0	41B63283F11	Spring	45						
36	3 4-A	01A71712W01	Assy., Riv. Plate Base	260						
37	7 4-E	45B71750W01	Slider	45						
○ 38	3	01A90350W01	Assy., Flywheel	380						
• 38	3	01A71783W10	Assy., Flywheel	450						
39	,	01A71784W01	Reel	370						
40	3-B	01B30863W01	Assy., Pinch Roller	240						
41	3-B	01B30863W02	Assy., Pinch Roller	240						
42	2 3-F	44B71726W01	Rack, Mode	120						
45	2-0	45B90320W02	Lever, Select							
46	3-E	45A71737W03	Lever, Mode Switch							
47	7 3-E	45A71733W03	Lever, Lock	_						
48	3 2-E	44A71741W01	Gear, Take Up	45						
49	2-F	44A71742W01	Gear, RF	45						
50		43A71743W01	Guide, Pack	45						
51	2-E	49A71744W01	Pulley, Idler	45						
52	1	44A71746W01	Pinion, Motor	60						
53	- 1	49A81855W01	Reel, Cap	45						
54	- 1	42A71780W02	Belt	140						
55	- 1	41A10387W02	Spring, Pinch Roller	45						
1-4	1		,			- 1			ı	

注記:○:GR75S410 モデル専用, ●:GR75S42Y モデル専用, その他:共通

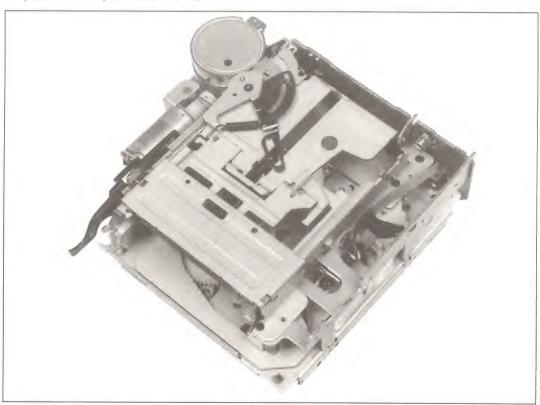




Cassette Deck Mechanism

ADDENDUM & REVISED (III)

- This manual is described on GR75S22H/42H only. The GR75S22H/42H is developed from GR-S SERIES. For information that is not mentioned in this service manual, refer to the Service Manual GR-S SERIES (68E26177S01).
- 当マニュアルはGR75S22H/42Hについてのみ記載しております。又、GR-S SERIESがベースモデルとなっておりますので、相違部分のみ記載しております。詳細についてはGR-S SERIES (68E26177S01) を参照願います。



Contents	
Cassette Deck Mechanism Assembly Parts List Exploded View (Cassette Deck Mechanism)	
Basic Operation of GR-S Mechanism Disassembly, Assembly and Replacement of Function Parts	Refer to the Service Manual • GR-S SERIES (Part No. 68E23241S01).

NOTE: Due to continuing product improvement, specifications and designs are subject to change without notice.

Cassette Deck Mechanism Assembly Parts List

			100						parts list are not supplied.	
Symbol		Index	Part No.	Description		nbol	Index	Part No.	Description	
No.					No.			45 A 7 4 7 0 0 1 N 0 0		
	2		04B41345P32	Washer, Lock (M3.1)	•	47		45A71733W03	Lever, Lock	
	3		03S43997P63	Screw, Pan (M1.7X4)		48		44A71741W01	Gear, Take Up	
0	4		01A90342W01	Assy., Riv. Select Swing		49	2-F	44A71742W01	Gear, RF	
_	4		01A90342W02	Assy., Riv. Select Swing		50		43A71743W01	Guide, Pack	
0	5	2-F	01A90340W01	Assy., Riv. RF Lever A	1	51	2-E	49A71744W01	Pulley, Idler	
•	5		01A71714W01	Assy., Riv. RF Lever A		52	3-0	44A71746W01	Pinion, Motor	
	6		01A90341W01	Assy., Riv. RF Lever B		53		49A81855W01	Reel, Cap	
•	6		01A90341W02	Assy., Riv. RF Lever B		54		42A71780W02	Belt	
1	7		41A71781W01	Spring, RF		55	2-B	41A10387W02	Spring, Pinch Roller	
	9	3-D	03C42723U12	Screw, Cup (M2X2.5)		56		43A71774W01	Roller, Mode	
									D (40 0V4)	
	11		03A80452W02	Screw, F Locks (M2X10.7)	1	57		03S44205G30	Screw, Pan (M2.6X4)	
	13		41A31756W01	Spring, Head	1	58		03A80629W01	Screw, Special (M2.6X6)	
	16	2-F	44A71747W01	Gear, Sun	1	59		04B41345P02	Washer, Lock (M1.7)	
	17		44A71748W01	Gear, Planet		61		04B41345P23	Washer, Lock (M1.7)	
1 1	18	3-F	44A71749W01	Gear, Inner	0	62	3-B	45A90322W01	Lever, Eject Arm A	
	,		444747544464	Dinion First Book		60		4E 40000001400	Lover First Arm A	
	19		44A71751W01	Pinion, Eject Base	1 •	62	3-B	45A90322W02	Lever, Eject Arm A	
	20	2-1-	44A71752W01	Pinion, Eject						
	21		04B41345P11	Washer, Lock (M1.2)						
	22		43A41656W01	Spacer, UHMW-PE						
	24	3-G	30 T 65174W07	Wire, Flat 10P						
	00	- 0	070400403404	Haldar Casasta	_					
0	26		07B40012W01	Holder, Cassette		N 41:-	11-			
•	26		07B71778W01	Holder, Cassette	\vdash	IVIIS 501	_	aneous 88T75612W03	Head	
\sim	27		45A71736W02 45A71736W03	Lever, Pack In Switch Lever, Pack In Switch		502		01V74500W16	Assy., Main Motor (13.2V-95mA)	
•	27 28		43A71736W03	Lever, Pack In Switch Roller, Plate Base	0	502		01V94900W74	Assy., Main Motor (13.2V-95mA)	
	20	4-0	43A71773W01	Holler, Flate base	•	503		01V91700W81	Assy., Sub Motor (7V-370mA)	
	29	4-C	04B41345P01	Washer, Lock (M1.2)		503		01V11700Y92	Assy., Sub Motor (7V-370mA)	
	30		04B41345P15	Washer, Lock (M1.2)	⋴	300	"	01411700132	Assy., Out Mictor (70-570111A)	
	32		44A71753W01	Rack, GR-S		504	3-F	51T63433F03	Sensor. Photo ON2170-R2	
	33		41A80634W01	Spring, Rack		505		51T63433F03	Sensor, Photo ON2170-R2	
0			01A90346W01	Assy., Riv. Eject Arm (B)		506		40T15222W01	Switch, Detector (PACK IN)	
	,			7.55y,, 1.111		507	4-F	40T15382W02	Switch, Detector (PAUSE)	
	34	4-B	01A90346W02	Assy., Riv. Eject Arm (B)		508		40T15382W02	Switch, Detector (MODE)	
	35		41B63283F11	Spring					(,	
	36		01A40024W03	Assy., Riv. Plate Base		509	4-F	40T15382W02	Switch, Detector (METAL)	
	36		01A71712W01	Assy., Riv. Plate Base					, , , , , , , , , , , , , , , , , , , ,	
	37		45B71750W01	Slider						
	38		01A90350W01	Assy., Flywheel						
	39		01A71784W01	Reel						
	40	3-B	01B30863W01	Assy., Pinch Roller						
	41	3-B	01B30863W02	Assy., Pinch Roller						
0	42	3-F	44B90318W01	Rack, Mode B						
•	42	3-F	44B71726W01	Rack, Mode						
0	45	2-C	45B90320W01	Lever, Select						
•	45	2-C	45B90320W02	Lever, Select						
0	46	3-E	45A71737W02	Lever, Mode Switch						
•	46	3-E	45A71737W03	Lever, Mode Switch						
]	
0	47	3-E	45A71733W02	Lever, Lock						
						l l				

NOTE: O: For GR75S22H Model Only, •: For GR75S42H Model Only, Others: Common.

カセット・デッキ・メカニズム関係部品表

※ 部品表に記入されていない部品は供給されません。

Г					標準	_		索			標準
書	記号		部品番号	部品名	卸価格	,	记号	引	部品番号	部品名	155年 卸価格
	2		04B41345P32	Washer, Lock (M3.1)	45	•	47		45A71733W03	Lever, Lock	_
	3		03S43997P63	Screw, Pan (M1.7X4)	45		48	2-E	44A71741W01	Gear, Take Up	45
0	4	3-D	01A90342W01	Assy., Riv. Select Swing		1	49	2-F	44A71742W01	Gear, RF	45
•	4	3-D	01A90342W02	Assy., Riv. Select Swing	_	1	50		43A71743W01	Guide, Pack	45
0	5	2-F	01A90340W01	Assy., Riv. RF Lever A	160	ı	51	2-E	49A71744W01	Pulley, Idler	45
•	5	2-F	01A71714W01	Assy., Riv. RF Lever A	120		52	3-D	44A71746W01	Pinion, Motor	60
0	6	2-E	01A90341W01	Assy., Riv. RF Lever B	_		53		49 A 81855W01	Reel, Cap	45
•	6	2-E	01A90341W02	Assy., Riv. RF Lever B	_		54	2-F	42A71780W02	Belt	140
1	7	2-F	41A71781W01	Spring, RF	45		55	2-B	41A10387W02	Spring, Pinch Roller	45
	9	3-D	03C42723U12	Screw, Cup (M2X2.5)	45		56		43A71774W01	Roller, Mode	50
	11	2-A	03A80452W02	Screw, F Locks (M2X10.7)	45	1	57		03S44205G30	Screw, Pan (M2.6X4)	45
	13	2-B	41A31756W01	Spring, Head	60		58	4-D	03A80629W01	Screw, Special (M2.6X6)	50
	16	2-F	44A71747W01	Gear, Sun	50		59	3-D	04B41345P02	Washer, Lock (M1.7)	45
1	17		44A71748W01	Gear, Planet	45		61	3-F	04B41345P23	Washer, Lock (M1.7)	45
	18	3-F	44A71749W01	Gear, Inner	_	0	62	3-B	45A90322W01	Lever, Eject Arm A	-
	19		44A71751W01	Pinion, Eject Base	100		62	3-B	45A90322W02	Lever, Eject Arm A	_
ı	20	2-F	44A71752W01	Pinion, Eject	90						
ı	21		04B41345P11	Washer, Lock (M1.2)	45	1					
	22	2-G	43A41656W01	Spacer, UHMW-PE	45	1					
	24	3-G	30T65174W07	Wire, Flat 10P	160	Н					
0	26	5-C	07B40012W01	Holder, Cassette	280				<u> </u>	L	
•	26	5-B	07B71778W01	Holder, Cassette	240		70	り他の	の電気部品		
0	27		45A71736W02	Lever, Pack In Switch	_		501		88T75612W03	Head	1,240
•	27 28		45A71736W03 43A71775W01	Lever, Pack In Switch Roller, Plate Base	— 50	0	502	2-C	01V74500W16	Assy., Main Motor (13.2V-95mA)	1,460
					55	•	502	2-C	01V94900W74	Assy., Main Motor	1,480
	29		04B41345P01	Washer, Lock (M1.2)	45					(13.2V-95mA)	
	30		04B41345P15	Washer, Lock (M1.2)	45	0	503	3-C	01V91700W81	Assy., Sub Motor	1,440
	32		44A71753W01	Rack, GR-S	130					(7V-370mA)	
	33		41A80634W01	Spring, Rack	80	•	503	3-C	01V11700Y92	Assy., Sub Motor	1,460
	34	4-8	01A90346W01	Assy., Riv. Eject Arm (B)						(7V-370mA)	
•	34		01A90346W02	Assy., Riv. Eject Arm (B)	-		504		51T63433F03	Sensor, Photo ON2170-R2	310
	35		41B63283F11	Spring	45		505		51T63433F03	Sensor, Photo ON2170-R2	310
0	36		01A40024W03	Assy., Riv. Plate Base	240		506	2-D	40T15222W01	Switch, Detector	130
•	36		01A71712W01	Assy., Riv. Plate Base	260					(PACK IN)	
	37	4-B	45B71750W01	Slider	45		507		40T15382W02	Switch, Detector (PAUSE)	130
	30		014903507401	Assy Flywhoot	200		508	4-E	40T15382W02	Switch, Detector (MODE)	130
	38 39	l	01A90350W01 01A71784W01	Assy., Flywheel Reel	380 370		509	4.5	40T15292\402	Switch Detector (METAL)	120
	39 40	3.0	01B30863W01	Assy., Pinch Roller	240	1	209	4-6	40T15382W02	Switch, Detector (METAL)	130
	41		01B30863W01	Assy., Pinch Roller	240	1					1
0	42		44B90318W01	Rack, Mode B	160						
		2.5	44B747061404	Book Mada	400						
_	42		44B71726W01	Rack, Mode	120						
	45 45		45B90320W01	Lever, Select							
_	45 46		45B90320W02	Lever, Select							
	46 46		45A71737W02 45A71737W03	Lever, Mode Switch Lever, Mode Switch	=1						
		_									
0	47	3-E	45A71733W02	Lever, Lock	-						
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注記: ○: GR75S22Hモデル専用, ●: GR75S42Hモデル専用, その他:共通

Exploded View (Cassette Deck Mechanism) (51) X2 (21) X2 (21) X2 2 3 (19) (14) (74) (2) (3) 5